

**TDMS No.** 20313 - 05  
**Test Type:** CHRONIC  
**Route:** DOSED WATER  
**Species/Strain:** RATS/F 344/NCTR

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
Acrylamide  
**CAS Number:** 79-06-1

**Date Report Requested:** 01/15/2010  
**Time Report Requested:** 14:38:46  
**First Dose M/F:** 05/23/05 / 05/23/05  
**Lab:** NCTR

**C Number:** C20313  
**Lock Date:** 01/14/2010  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 2.2.0







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FISCHER 344 RATS-NCTR RATS MALE 0.70 ACRYL	DAY ON TEST																								ANIMAL ID	males (cont...)	
	0621	0744	0774	0698	0744	0533	0756	0571	0744	0771	0663	0674	0663	0674	0663	0577	0756	0594	0749	0574	0774	0575	0663	0674			0583
	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	1001	2002	1001	2002	3003	4004	2001	3002	4003	5004	1001	2002	1001	2002	3003	4004	1001	2002	3003	4004	5005	1001	2002	1001	2002	1001	2002

Penis	+																										
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																											
Carcinoma																											
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																											
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																											
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mesothelioma Malignant																											
Bilateral, Interstitial Cell, Adenoma																											
Interstitial Cell, Adenoma																											

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																											
Lymph Node																											
Leukemia Mononuclear																											
Axillary, Leukemia Mononuclear																											
Deep Cervical, Leukemia Mononuclear																											
Lumbar, Leukemia Mononuclear																											
Mediastinal, Leukemia Mononuclear																											
Pancreatic, Leukemia Mononuclear																											

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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FISCHER 344 RATS-NCTR RATS MALE 0.70 ACRYL	DAY ON TEST																								ANIMAL ID	males (cont...)	
	0621	0744	0744	0698	0744	0536	0733	0561	0744	0771	0653	0666	0774	0661	0743	0662	0577	0755	0574	0794	0594	0743	0774	0583			0663
Renal, Leukemia Mononuclear				X									X						X				X				
Lymph Node, Mandibular Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymph Node, Mesenteric Leukemia Mononuclear				X						X																	
Spleen Hemangiosarcoma Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Thymus Leukemia Mononuclear				X						X				X						X							
<b>INTEGUMENTARY SYSTEM</b>																											
Mammary Gland Fibroadenoma	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+
Skin Basal Cell Carcinoma Keratoacanthoma Squamous Cell Carcinoma Squamous Cell Papilloma Subcutaneous Tissue, Fibroma Subcutaneous Tissue, Hemangiosarcoma Subcutaneous Tissue, Lipoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
				X																							
																											X

**MUSCULOSKELETAL SYSTEM**

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	0621	0744	0774	0698	0744	0536	0733	0561	0744	0771	0663	0674	0673	0662	0577	0754	0559	0744	0573	0744	0775	0583	0663	0421		
Lung Carcinoma, Metastatic, Intestine Small, Jejunum Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
							X																			
Nose Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
																							X			
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
<b>SPECIAL SENSES SYSTEM</b>																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+		
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Zymbal's Gland Carcinoma																										
<b>URINARY SYSTEM</b>																										
Kidney Leukemia Mononuclear Renal Tubule, Carcinoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
																							X			
Urethra Bulbourethral Gland, Leukemia Mononuclear																										
Urinary Bladder Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
																							X			

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		06	07	07	06	07	05	07	05	07	07	06	06	07	06	05	07	05	07	05	07	05	06	04	04
FISCHER 344 RATS-NCTR RATS MALE 0.70 ACRYL	DAY ON TEST	21	44	44	98	44	36	30	61	41	33	66	73	41	02	07	44	67	94	49	43	44	25	86	21
	ANIMAL ID	0011	0012	0021	0022	0031	0032	0041	0042	0051	0052	0061	0062	0071	0072	0081	0082	0091	0092	0101	0102	0111	0112	0121	0122

males  
(cont...)

SYSTEMIC LESIONS

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear			X	X			X		X	X	X	X	X	X		X		X	X	X		X		
Mesothelioma Malignant		X							X	X		X		X										

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FISCHER 344 RATS-NCTR RATS MALE 0.70 ACRYL	DAY ON TEST																				* TOTALS
	0 4 1 7	0 7 4 4	0 5 6 3	0 4 9 9	0 6 3 4	0 5 5 5	0 7 1 6	0 6 7 5	0 5 5 2	0 5 8 4	0 7 0 5	0 6 9 3	0 7 2 3	0 5 4 8	0 7 2 6	0 6 5 4	0 5 4 9	0 7 1 8	0 5 7 4	0 7 4 6	
ANIMAL ID	0 1 4 3 2	0 1 4 4 1	0 1 4 4 2	0 1 4 5 1	0 1 4 5 2	0 1 8 5 1	0 1 8 1 2	0 1 8 2 2	0 1 8 2 2	0 1 8 3 2	0 1 8 3 4	0 1 8 4 2	0 1 8 4 5	0 1 8 5 3	0 2 4 3 2	0 2 4 3 1	0 2 4 4 2	0 2 4 5 1	0 2 4 5 2	0 2 4 5 6	0 2 4 6 1

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	47
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Small, Ileum Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47 3
Intestine Small, Jejunum Carcinoma	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	A	45 1
Liver Hepatocellular Adenoma Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48 1 26
Mesentery Carcinoma, Metastatic, Intestine Small, Jejunum Leukemia Mononuclear																							4 1 1
Oral Mucosa Squamous Cell Papilloma																							3 1

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	0 4 1 7	0 7 4 4	0 5 6 3	0 4 9 9	0 6 3 4	0 5 5 5	0 7 1 6	0 6 7 5	0 5 6 2	0 5 8 4	0 7 0 5	0 6 9 3	0 7 2 3	0 5 4 8	0 7 2 6	0 6 5 4	0 5 4 9	0 5 5 6	0 7 1 8	0 5 7 4		0 7 4 6
ANIMAL ID	0 1 4 3 2	0 1 4 4 1	0 1 4 4 2	0 1 4 5 1	0 1 4 5 2	0 1 8 1 1	0 1 8 1 2	0 1 8 2 2	0 1 8 3 2	0 1 8 3 4	0 1 8 3 1	0 1 8 4 2	0 1 8 4 5	0 1 8 5 3	0 1 2 3 1	0 2 4 3 2	0 2 4 4 1	0 2 4 5 2	0 2 4 5 1	0 2 4 5 2	0 2 4 6 1	0 2 4 6 2
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear														X								5
Acinar Cell, Adenoma		X												X								2
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Tongue																						1
Squamous Cell Carcinoma																						1
<b>CARDIOVASCULAR SYSTEM</b>																						
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear								X					X			X		X				10
Schwannoma Malignant			X																X		X	6
<b>ENDOCRINE SYSTEM</b>																						
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear									X				X									3
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	47
Leukemia Mononuclear												X			X							7
Pheochromocytoma Malignant																				X		2
Bilateral, Pheochromocytoma Benign																						1

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	0 4 1 7	0 7 4 4	0 5 6 3	0 4 9 9	0 6 3 4	0 5 5 5	0 7 1 6	0 6 7 5	0 5 5 2	0 5 8 4	0 7 0 5	0 6 9 3	0 7 2 3	0 5 4 8	0 7 2 6	0 6 5 4	0 5 4 9	0 5 5 6	0 7 1 8	0 5 7 4		0 7 4 6	
ANIMAL ID	0 1 4 3 2	0 1 4 4 1	0 1 4 4 2	0 1 4 5 1	0 1 4 5 2	0 1 8 1 1	0 1 8 1 2	0 1 8 2 2	0 1 8 2 2	0 1 8 3 1	0 1 8 3 4	0 1 8 3 2	0 1 8 4 2	0 1 8 5 1	0 2 4 5 2	0 2 4 3 2	0 2 4 4 1	0 2 4 5 2	0 2 4 5 1	0 2 4 5 2	0 2 4 6 1	0 2 4 6 2	
Bilateral, Pheochromocytoma Malignant																					X	1	
Islets, Pancreatic Adenoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48 6
Parathyroid Gland Adenoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	M	44 1
Pituitary Gland Leukemia Mononuclear Pars Distalis, Adenoma	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47 4 28
Thyroid Gland C-cell, Adenoma C-cell, Carcinoma Follicular Cell, Adenoma Follicular Cell, Carcinoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48 3 1 3 6
<b>GENERAL BODY SYSTEM</b>																							
Peritoneum Tunica Vaginalis, Mesothelioma Malignant							+														+		2 2
Tissue NOS																							1
<b>GENITAL SYSTEM</b>																							
Epididymis Leukemia Mononuclear Mesothelioma Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48 1 8

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	0 4 1 7	0 7 4 4	0 5 6 3	0 4 9 9	0 6 3 4	0 5 5 5	0 7 1 6	0 6 7 5	0 5 2 4	0 5 8 4	0 7 0 5	0 6 9 3	0 7 2 3	0 5 4 8	0 7 2 6	0 6 5 4	0 5 4 9	0 5 5 6	0 7 1 8	0 5 7 4		0 7 4 6
ANIMAL ID	0 1 4 3 2	0 1 4 4 1	0 1 4 4 2	0 1 4 4 1	0 1 4 5 2	0 1 8 5 1	0 1 8 1 2	0 1 8 2 1	0 1 8 2 2	0 1 8 3 1	0 1 8 3 4	0 1 8 4 2	0 1 8 4 2	0 1 8 5 1	0 2 4 3 2	0 2 4 3 2	0 2 4 4 1	0 2 4 5 2	0 2 4 5 1	0 2 4 5 2	0 2 4 5 1	0 2 4 6 2
Penis																						1
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Adenoma										X		X										4
Carcinoma				X																		2
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear																						1
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear																						1
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Mesothelioma Malignant						X		X					X									5
Bilateral, Interstitial Cell, Adenoma					X	X	X					X		X		X	X	X		X		24
Interstitial Cell, Adenoma											X		X		X						X	9
<b>HEMATOPOIETIC SYSTEM</b>																						
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear												X										2
Lymph Node		+			+	+				+	+		+	+	+	+			+	+		24
Leukemia Mononuclear									X													1
Axillary, Leukemia Mononuclear												X										2
Deep Cervical, Leukemia Mononuclear																						1
Lumbar, Leukemia Mononuclear												X							X	X		6
Mediastinal, Leukemia Mononuclear													X		X					X		7
Pancreatic, Leukemia Mononuclear												X		X		X			X	X		10

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	0 4 1 7	0 7 4 4	0 5 6 3	0 4 9 9	0 6 3 4	0 5 5 5	0 7 1 6	0 6 7 5	0 5 5 2	0 5 8 4	0 7 0 5	0 6 2 3	0 7 9 3	0 5 2 4	0 7 2 6	0 6 2 8	0 6 5 4	0 5 4 9	0 7 1 1	0 5 7 8			0 7 4 4	0 5 7 6	
	0 1 4 3 2	0 1 4 4 1	0 1 4 4 2	0 1 4 4 1	0 1 4 5 2	0 1 1 1 1	0 1 1 1 2	0 1 1 1 1	0 1 1 2 2	0 1 1 2 2	0 1 1 3 1	0 1 1 3 4	0 1 1 4 5	0 1 1 5 3	0 2 2 3 1	0 2 2 3 2	0 2 2 4 1	0 2 2 4 2	0 2 2 5 1	0 2 2 4 2	0 2 2 4 1	0 2 2 4 2			
Renal, Leukemia Mononuclear														X		X					X	X			<b>8</b>
Lymph Node, Mandibular Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>48</b>	
														X		X		X	X			X		<b>12</b>	
Lymph Node, Mesenteric Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>48</b>		
														X		X	X		X	X			X	<b>8</b>	
Spleen Hemangiosarcoma Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>48</b>		
	X				X	X	X	X	X			X	X		X	X	X	X		X	X		<b>28</b>		
Thymus Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>47</b>		
																						X	<b>3</b>		
<b>INTEGUMENTARY SYSTEM</b>																									
Mammary Gland Fibroadenoma	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	<b>44</b>		
												X										M	<b>3</b>		
Skin Basal Cell Carcinoma Keratoacanthoma Squamous Cell Carcinoma Squamous Cell Papilloma Subcutaneous Tissue, Fibroma Subcutaneous Tissue, Hemangiosarcoma Subcutaneous Tissue, Lipoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>48</b>		
											X				X		X						<b>2</b>		
															X								<b>1</b>		
												X											<b>1</b>		
																	X						<b>1</b>		
															X								<b>1</b>		
																							<b>1</b>		
<b>MUSCULOSKELETAL SYSTEM</b>																									

**\* TOTALS**

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

FISCHER 344 RATS-NCTR RATS MALE 0.70 ACRYL	DAY ON TEST																				* TOTALS	
	0 4 1 7	0 7 4 4	0 5 6 3	0 4 9 9	0 6 3 4	0 5 5 5	0 7 1 6	0 6 7 5	0 5 5 2	0 5 8 4	0 7 0 5	0 6 9 3	0 7 2 3	0 5 4 8	0 7 2 6	0 6 5 4	0 5 4 9	0 5 5 6	0 7 1 8	0 5 7 4		0 7 4 6
ANIMAL ID	0 1 4 3 2	0 1 4 4 1	0 1 4 4 2	0 1 4 4 1	0 1 4 5 2	0 1 8 5 1	0 1 8 1 2	0 1 8 2 2	0 1 8 2 2	0 1 8 3 1	0 1 8 3 4	0 1 8 3 2	0 1 8 4 1	0 1 8 5 2	0 2 4 3 1	0 2 4 3 2	0 2 4 4 1	0 2 4 5 2	0 2 4 5 1	0 2 4 5 2	0 2 4 6 1	0 2 4 6 2
Bone																						1
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear															X							1
<b>NERVOUS SYSTEM</b>																						
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Astrocytoma Nos											X											2
Leukemia Mononuclear																			X			1
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear												X										1
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear												X							X			3
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear												X							X			2
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear																			X			1

**RESPIRATORY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
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 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

FISCHER 344 RATS-NCTR RATS MALE 0.70 ACRYL	DAY ON TEST																				* TOTALS	
	0 4 1 7	0 7 4 4	0 5 6 3	0 4 9 9	0 6 3 4	0 5 5 5	0 7 1 6	0 6 7 5	0 5 6 2	0 5 8 4	0 7 0 5	0 6 9 3	0 7 2 3	0 5 4 8	0 7 2 6	0 6 5 4	0 5 4 9	0 5 5 6	0 7 1 8	0 5 7 4		0 7 4 6
ANIMAL ID	0 1 4 3 2	0 1 4 4 1	0 1 4 4 2	0 1 4 5 1	0 1 4 5 2	0 1 8 1 1	0 1 8 1 2	0 1 8 2 2	0 1 8 2 2	0 1 8 3 1	0 1 8 3 4	0 1 8 3 4	0 1 8 4 5	0 1 8 5 3	0 2 4 5 1	0 2 4 3 2	0 2 4 4 1	0 2 4 5 2	0 2 4 5 1	0 2 4 5 2	0 2 4 6 1	0 2 4 6 2
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Carcinoma, Metastatic, Intestine Small, Jejunum																						1
Leukemia Mononuclear								X				X	X	X	X	X	X	X	X			21
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear												X										2
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
<b>SPECIAL SENSES SYSTEM</b>																						
Eye	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	A	45
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Zymbal's Gland	+																					1
Carcinoma	X																					1
<b>URINARY SYSTEM</b>																						
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear																X						2
Renal Tubule, Carcinoma																						1
Urethra																+						1
Bulbourethral Gland, Leukemia Mononuclear																X						1
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear																						1

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 + .. Tissue examined microscopically  
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TDMS No. 20313 - 05  
 Test Type: CHRONIC  
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 Acrylamide  
 CAS Number: 79-06-1

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 Lab: NCTR

FISCHER 344 RATS-NCTR RATS MALE 0.70 ACRYL	DAY ON TEST																				* TOTALS	
	0 4 1 7	0 7 4 4	0 5 6 3	0 4 9 9	0 6 3 4	0 5 5 5	0 7 1 6	0 6 7 5	0 5 6 2	0 5 8 4	0 7 0 5	0 6 9 3	0 7 2 3	0 5 4 8	0 7 2 6	0 6 5 4	0 5 4 9	0 5 5 6	0 7 1 8	0 5 7 4		0 7 4 6
ANIMAL ID	0 1 4 3 2	0 1 4 4 1	0 1 4 4 2	0 1 4 5 1	0 1 4 5 2	0 1 8 1 1	0 1 8 1 2	0 1 8 2 1	0 1 8 2 2	0 1 8 3 1	0 1 8 3 4	0 1 8 4 2	0 1 8 5 1	0 2 4 5 3	0 2 4 3 2	0 2 4 4 1	0 2 4 5 2	0 2 4 5 1	0 2 4 5 2	0 2 4 5 1	0 2 4 6 2	0 2 4 6 2

**SYSTEMIC LESIONS**

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear	X					X	X	X	X	X				X	X		X	X	X		X	X		28
Mesothelioma Malignant						X		X						X										8

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 Lab: NCTR

FISCHER 344 RATS-NCTR RATS MALE 0.35 ACRYL	DAY ON TEST																									ANIMAL ID	males (cont...)
	0691	0744	0691	0561	0774	0774	0774	0774	0774	0661	0774	0666	0774	0774	0774	0666	0666	0552	0443	0774	0774	0774	0557	0774	0774		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00361	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00336	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00337	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00338	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00339	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00340	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00341	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00342	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00343	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00344	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00345	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00346	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00347	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00348	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00349	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00350	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00351	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00352	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00353	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00354	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00355	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00356	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00357	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00358	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00359	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00360	

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon Leukemia Mononuclear Lymphoma Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver Hepatocellular Adenoma Histiocytic Sarcoma Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mesentery Leukemia Mononuclear	X		X			X		X		X	X	X	X	X		X	X	X			X	X			
Oral Mucosa Squamous Cell Carcinoma								+	+					+	+					+					+

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TDMS No. 20313 - 05  
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FISCHER 344 RATS-NCTR RATS MALE 0.35 ACRYL	DAY ON TEST																								ANIMAL ID	males (cont...)
	0691	0744	0691	0561	0744	0774	0777	0777	0777	0676	0767	0676	0777	0777	0777	0676	0665	0544	0477	0777	0777	0575	0744	0777		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00361	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00336	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00337	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00338	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00339	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00340	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00341	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00342	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00343	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00344	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00345	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00346	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00347	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00348	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00349	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00350	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00351	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00352	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00353	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00354	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00355	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00356	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00357	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00358	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00359	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00360	

Squamous Cell Papilloma																										
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Histiocytic Sarcoma																										
Leukemia Mononuclear																										
Lymphoma Malignant																										
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymphoma Malignant																										
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear																										
Lymphoma Malignant																										
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymphoma Malignant																										
Tongue																										
Squamous Cell Papilloma																										

CARDIOVASCULAR SYSTEM																										
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear	X		X																							
Lymphoma Malignant																										
Schwannoma Malignant																										

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DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>FISCHER 344 RATS-NCTR RATS MALE</b>		6	7	6	5	7	7	7	7	7	6	7	6	7	7	7	7	6	6	5	4	7	7	7
		9	4	9	6	4	4	4	0	4	3	4	8	0	4	2	4	2	2	9	3	1	4	4
	<b>0.35 ACRYL</b>	1	4	1	1	4	4	4	5	4	1	4	6	5	4	5	4	1	7	2	5	8	4	4
ANIMAL ID		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
		3	3	3	3	3	3	3	3	4	4	7	7	7	7	7	7	7	7	3	3	3	3	
		6	6	7	7	8	8	9	9	0	0	1	1	2	2	3	3	4	4	5	5	1	1	
		1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	

males (cont...)

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																				X			
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear	X											X											
Pheochromocytoma Benign		X									X				X						X		
Pheochromocytoma Malignant			X																				X
Bilateral, Pheochromocytoma Benign					X																		
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																							
Carcinoma															X								
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																				X			
Lymphoma Malignant																							
Pars Distalis, Adenoma	X	X		X	X	X		X	X		X		X	X	X		X					X	X
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																							
C-cell, Adenoma																			X				
Follicular Cell, Adenoma																					X		
Follicular Cell, Carcinoma						X					X										X		X

**GENERAL BODY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
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 I .. Insufficient tissue

M .. Missing tissue  
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 BLANK .. Not examined microscopically



TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

FISCHER 344 RATS-NCTR RATS MALE 0.35 ACRYL	DAY ON TEST																									ANIMAL ID	males (cont...)
	0691	0744	0691	0564	0774	0774	0774	0774	0674	0764	0764	0774	0774	0774	0664	0664	0554	0444	0774	0774	0774	0554	0774	0774			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0036		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0033		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0066		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0061		

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear	X																							
Lymphoma Malignant																								
Lymph Node	+		+			+			+				+	+	+			+				+		
Leukemia Mononuclear																							X	
Axillary, Leukemia Mononuclear																		X						
Axillary, Lymphoma Malignant																								
Lumbar, Leukemia Mononuclear	X											X	X		X		X							
Lumbar, Lymphoma Malignant																								
Mediastinal, Leukemia Mononuclear			X									X	X				X							
Pancreatic, Leukemia Mononuclear	X																X							
Pancreatic, Lymphoma Malignant																								
Renal, Leukemia Mononuclear	X											X												
Renal, Lymphoma Malignant																								
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma, Metastatic, Harderian Gland																							X	
Leukemia Mononuclear			X									X	X		X	X	X							
Lymphoma Malignant																								
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear	X		X									X					X	X						
Lymphoma Malignant																								
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear	X	X	X				X		X		X	X	X	X	X	X	X	X				X	X	

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TDMS No. 20313 - 05  
 Test Type: CHRONIC  
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 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
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 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

FISCHER 344 RATS-NCTR RATS MALE 0.35 ACRYL	DAY ON TEST																									ANIMAL ID	males (cont...)
	0691	0744	0691	0561	0744	0774	0777	0777	0777	0777	0663	0744	0668	0770	0777	0777	0662	0662	0559	0443	0771	0774	0774	0558	0774		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0036	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0033	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0066	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0012	

Lymphoma Malignant

Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma																									
Leukemia Mononuclear				X								X				X		X							
Lymphoma Malignant																									

### INTEGUMENTARY SYSTEM

Mammary Gland	+	M	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	
Fibroadenoma																									
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Basal Cell Carcinoma									X										X						
Keratoacanthoma							X														X				
Squamous Cell Carcinoma						X																			
Squamous Cell Papilloma																									
Subcutaneous Tissue, Fibroma					X																				
Subcutaneous Tissue, Hemangiosarcoma																									

### MUSCULOSKELETAL SYSTEM

Bone			+																					
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

### NERVOUS SYSTEM

Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
-------------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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TDMS No. 20313 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Acrylamide

CAS Number: 79-06-1

Date Report Requested: 01/15/2010

Time Report Requested: 14:38:46

First Dose M/F: 05/23/05 / 05/23/05

Lab: NCTR

DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>FISCHER 344 RATS-NCTR RATS MALE</b>	9	4	9	6	4	4	4	0	4	3	4	8	0	4	2	4	2	2	9	3	1	4	4	4	8	4
	1	4	1	1	4	4	4	5	4	1	4	6	5	4	5	4	1	7	2	5	8	4	4	5	4	4
	ANIMAL ID		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>0.35 ACRYL</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	3	3	3	3	3	3	3	3	4	4	7	7	7	7	7	7	7	7	7	3	3	3	3	3	3	3
	6	6	7	7	8	8	9	9	0	0	1	1	2	2	3	3	4	4	5	5	1	1	2	2	2	3
	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2

males  
(cont...)

Carcinoma, Metastatic, Uncertain Primary Site  
Leukemia Mononuclear

Brain, Cerebellum  
Leukemia Mononuclear

Brain, Cerebrum

Peripheral Nerve, Sciatic

Spinal Cord, Cervical  
Leukemia Mononuclear

Spinal Cord, Lumbar  
Leukemia Mononuclear

Spinal Cord, Thoracic

+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

**RESPIRATORY SYSTEM**

Lung  
Alveolar/Bronchiolar Adenoma  
Histiocytic Sarcoma  
Leukemia Mononuclear  
Lymphoma Malignant

Nose  
Leukemia Mononuclear

Trachea

+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
X		X								X	X	X	X		X	X	X			X						
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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TDMS No. 20313 - 05  
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 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

FISCHER 344 RATS-NCTR RATS MALE 0.35 ACRYL	DAY ON TEST																				ANIMAL ID	* TOTALS	
	0 7 4 4	0 7 2 6	0 6 9 8	0 5 8 6	0 7 4 4	0 6 5 4	0 6 6 9	0 6 6 4	0 7 9 4	0 6 0 4	0 6 7 3	0 4 8 7	0 7 2 0	0 5 0 2	0 5 3 6	0 5 5 5	0 7 2 4	0 6 2 6	0 7 4 4	0 7 4 4			0 6 9 0
	0 1 3 3 2	0 1 3 4 1	0 1 3 4 2	0 1 3 5 1	0 1 3 5 2	0 1 7 6 1	0 1 7 6 2	0 1 7 6 1	0 1 7 7 2	0 1 7 8 1	0 1 7 8 2	0 1 7 8 1	0 1 8 9 2	0 1 8 9 1	0 2 1 4 1	0 2 1 4 2	0 2 1 5 1	0 2 1 6 2	0 2 1 6 1	0 2 1 6 2	0 2 1 7 1	0 2 1 7 2	

Squamous Cell Papilloma

3

Pancreas

+ +

48

Histiocytic Sarcoma

X

1

Leukemia Mononuclear

X

X

X

X

6

Lymphoma Malignant

X

1

Salivary Glands

+ +

48

Lymphoma Malignant

X

1

Stomach, Forestomach

+ +

48

Leukemia Mononuclear

1

Lymphoma Malignant

X

1

Stomach, Glandular

+ +

48

Lymphoma Malignant

X

1

Tongue

+

2

Squamous Cell Papilloma

1

**CARDIOVASCULAR SYSTEM**

Blood Vessel

+ +

48

Leukemia Mononuclear

1

Heart

+ +

48

Leukemia Mononuclear

X

X

X

X

X

X

X

15

Lymphoma Malignant

X

1

Schwannoma Malignant

X

X

4

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TDMS No. 20313 - 05  
 Test Type: CHRONIC  
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 Species/Strain: RATS/F 344/NCTR

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 Acrylamide  
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 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>0.35 ACRYL | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |                       |                       |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|  | 0<br>7<br>4<br>4      | 0<br>7<br>2<br>6      | 0<br>6<br>9<br>8      | 0<br>5<br>8<br>6      | 0<br>7<br>4<br>4      | 0<br>6<br>5<br>4      | 0<br>6<br>6<br>9      | 0<br>6<br>6<br>4      | 0<br>7<br>9<br>4      | 0<br>6<br>7<br>4      | 0<br>7<br>3<br>7      | 0<br>6<br>4<br>0      | 0<br>4<br>8<br>2      | 0<br>7<br>2<br>2      | 0<br>5<br>0<br>3      | 0<br>5<br>5<br>6      | 0<br>5<br>2<br>5      | 0<br>7<br>2<br>6      | 0<br>6<br>4<br>4      | 0<br>7<br>4<br>4      |                       | 0<br>7<br>4<br>4      | 0<br>6<br>9<br>0      |
|  | 0<br>1<br>3<br>3<br>2 | 0<br>1<br>3<br>4<br>1 | 0<br>1<br>3<br>4<br>2 | 0<br>1<br>3<br>5<br>1 | 0<br>1<br>3<br>5<br>2 | 0<br>1<br>7<br>6<br>1 | 0<br>1<br>7<br>6<br>2 | 0<br>1<br>7<br>7<br>1 | 0<br>1<br>7<br>7<br>2 | 0<br>1<br>7<br>7<br>1 | 0<br>1<br>7<br>7<br>2 | 0<br>1<br>7<br>7<br>1 | 0<br>1<br>8<br>8<br>1 | 0<br>1<br>8<br>0<br>2 | 0<br>2<br>1<br>4<br>1 | 0<br>2<br>1<br>4<br>2 | 0<br>2<br>1<br>5<br>1 | 0<br>2<br>1<br>6<br>2 | 0<br>2<br>1<br>6<br>1 | 0<br>2<br>1<br>6<br>2 | 0<br>2<br>1<br>7<br>1 | 0<br>2<br>1<br>7<br>2 | 0<br>2<br>1<br>7<br>2 |

**HEMATOPOIETIC SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone Marrow                                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear                        |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   | 2  |
| Lymphoma Malignant                          |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Lymph Node                                  |   | + | + | + |   |   |   |   | + |   |   |   |   | + | + | + | + |   |   | + | + |   | + | 21 |
| Leukemia Mononuclear                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Axillary, Leukemia Mononuclear              |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Axillary, Lymphoma Malignant                |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Lumbar, Leukemia Mononuclear                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   | X |   | 7  |
| Lumbar, Lymphoma Malignant                  |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Mediastinal, Leukemia Mononuclear           |   | X |   | X |   |   |   |   | X |   |   |   | X | X | X |   |   |   | X |   | X |   |   | 12 |
| Pancreatic, Leukemia Mononuclear            |   | X |   | X |   |   |   |   | X |   |   |   | X |   | X |   |   |   |   |   |   |   |   | 7  |
| Pancreatic, Lymphoma Malignant              |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Renal, Leukemia Mononuclear                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   | X |   | X |   | 5  |
| Renal, Lymphoma Malignant                   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Lymph Node, Mandibular                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Adenocarcinoma, Metastatic, Harderian Gland |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Leukemia Mononuclear                        |   |   |   | X |   |   |   |   | X | X |   | X |   | X | X | X |   |   |   | X |   |   |   | 14 |
| Lymphoma Malignant                          |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Lymph Node, Mesenteric                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear                        |   | X |   | X |   |   | X |   | X | X |   | X |   | X | X | X |   |   |   | X |   |   |   | 15 |
| Lymphoma Malignant                          |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Spleen                                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear                        |   | X |   | X | X |   | X | X | X | X |   | X |   | X | X | X | X |   | X | X | X | X |   | 32 |

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P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
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 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>0.35 ACRYL | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |                       |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|  | 0<br>7<br>4<br>4      | 0<br>7<br>2<br>6      | 0<br>6<br>9<br>8      | 0<br>5<br>8<br>6      | 0<br>7<br>4<br>4      | 0<br>6<br>5<br>4      | 0<br>6<br>6<br>9      | 0<br>6<br>6<br>4      | 0<br>7<br>9<br>4      | 0<br>6<br>7<br>7      | 0<br>6<br>3<br>3      | 0<br>4<br>8<br>0      | 0<br>7<br>2<br>2      | 0<br>5<br>0<br>2      | 0<br>5<br>3<br>6      | 0<br>5<br>5<br>5      | 0<br>7<br>2<br>4      | 0<br>6<br>2<br>6      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      |                       | 0<br>6<br>9<br>0      |
| ANIMAL ID  | 0<br>1<br>3<br>3<br>2 | 0<br>1<br>3<br>4<br>1 | 0<br>1<br>3<br>4<br>2 | 0<br>1<br>3<br>5<br>1 | 0<br>1<br>3<br>5<br>2 | 0<br>1<br>7<br>6<br>1 | 0<br>1<br>7<br>6<br>2 | 0<br>1<br>7<br>7<br>1 | 0<br>1<br>7<br>7<br>2 | 0<br>1<br>7<br>7<br>1 | 0<br>1<br>7<br>7<br>2 | 0<br>1<br>7<br>8<br>1 | 0<br>1<br>7<br>8<br>2 | 0<br>1<br>8<br>0<br>1 | 0<br>2<br>1<br>4<br>1 | 0<br>2<br>1<br>4<br>2 | 0<br>2<br>1<br>5<br>1 | 0<br>2<br>1<br>6<br>2 | 0<br>2<br>1<br>6<br>1 | 0<br>2<br>1<br>6<br>2 | 0<br>2<br>1<br>7<br>1 | 0<br>2<br>1<br>7<br>2 |

|                      |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
|----------------------|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|
| Lymphoma Malignant   | X         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1  |
| Thymus               | +         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 48 |
| Histiocytic Sarcoma  | X         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1  |
| Leukemia Mononuclear | X X X X X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 10 |
| Lymphoma Malignant   | X         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1  |

**INTEGUMENTARY SYSTEM**

|                                      |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |         |
|--------------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---------|
| Mammary Gland<br>Fibroadenoma        | + + + M + + + + + M + + + + M + + + + X + + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 43<br>1 |
| Skin                                 | + + + + + + + + + X + + + + + + + + + + +   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 48      |
| Basal Cell Carcinoma                 | X   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3       |
| Keratoacanthoma                      |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2       |
| Squamous Cell Carcinoma              |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1       |
| Squamous Cell Papilloma              | X   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1       |
| Subcutaneous Tissue, Fibroma         | X X   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3       |
| Subcutaneous Tissue, Hemangiosarcoma | X   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1       |

**MUSCULOSKELETAL SYSTEM**

|                 |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
|-----------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|
| Bone            |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1  |
| Bone, Femur     | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 48 |
| Skeletal Muscle | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 48 |

**NERVOUS SYSTEM**

|                   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
|-------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|
| Brain, Brain Stem | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 48 |
|-------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically





TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>0.35 ACRYL | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | ANIMAL ID             |                       |                       |                  |                  |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------|------------------|
|  | 0<br>7<br>4<br>4      | 0<br>7<br>2<br>6      | 0<br>6<br>9<br>8      | 0<br>5<br>8<br>6      | 0<br>7<br>4<br>4      | 0<br>6<br>5<br>4      | 0<br>6<br>6<br>9      | 0<br>6<br>6<br>4      | 0<br>7<br>9<br>4      | 0<br>6<br>0<br>4      | 0<br>7<br>7<br>7      | 0<br>6<br>3<br>3      | 0<br>4<br>8<br>0      | 0<br>7<br>2<br>2      | 0<br>5<br>0<br>2      | 0<br>5<br>3<br>6      | 0<br>5<br>5<br>5      | 0<br>7<br>2<br>4      | 0<br>6<br>2<br>6      | 0<br>7<br>4<br>4      |                       |                       | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4 | 0<br>6<br>9<br>0 |
|  | 0<br>1<br>3<br>3<br>2 | 0<br>1<br>3<br>4<br>1 | 0<br>1<br>3<br>4<br>2 | 0<br>1<br>3<br>5<br>1 | 0<br>1<br>3<br>5<br>2 | 0<br>1<br>7<br>6<br>1 | 0<br>1<br>7<br>6<br>2 | 0<br>1<br>7<br>7<br>1 | 0<br>1<br>7<br>7<br>2 | 0<br>1<br>7<br>7<br>1 | 0<br>1<br>7<br>7<br>2 | 0<br>1<br>7<br>7<br>1 | 0<br>1<br>8<br>8<br>1 | 0<br>1<br>8<br>0<br>2 | 0<br>2<br>1<br>4<br>1 | 0<br>2<br>1<br>4<br>2 | 0<br>2<br>1<br>5<br>1 | 0<br>2<br>1<br>6<br>2 | 0<br>2<br>1<br>6<br>1 | 0<br>2<br>1<br>6<br>2 | 0<br>2<br>1<br>6<br>1 | 0<br>2<br>1<br>7<br>2 | 0<br>2<br>1<br>7<br>2 |                  |                  |
| <b>* TOTALS</b>                                  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                  |                  |

**SPECIAL SENSES SYSTEM**

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |         |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|
| Eye                               | + | + | + | + | + | + | + | M | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46      |
| Harderian Gland<br>Adenocarcinoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48<br>1 |
| Zymbal's Gland<br>Carcinoma       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |   | 1<br>1  |

**URINARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |              |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|
| Kidney<br>Leukemia Mononuclear<br>Lymphoma Malignant          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48<br>2<br>1 |
| Urinary Bladder<br>Leukemia Mononuclear<br>Lymphoma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48<br>2<br>1 |

**SYSTEMIC LESIONS**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                         |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------------------------|
| Multiple Organ<br>Histiocytic Sarcoma<br>Leukemia Mononuclear<br>Lymphoma Malignant<br>Mesothelioma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48<br>1<br>32<br>1<br>5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------------------------|

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
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 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

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 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>0.175 ACRYL | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ANIMAL ID | males<br>(cont...) |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|
|   | 0680        | 0562 | 0712 | 0733 | 0569 | 0376 | 0674 | 0764 | 0671 | 0744 | 0574 | 0774 | 0777 | 0663 | 0555 | 0744 | 0774 | 0575 | 0771 | 0585 | 0744 | 0779 | 0585 | 0744 |           |                    |
|   | 0000        | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000      | 0000               |
|   | 4411        | 4421 | 4421 | 4423 | 4431 | 4432 | 4441 | 4442 | 4445 | 4451 | 4452 | 4456 | 4461 | 4462 | 4467 | 4468 | 4468 | 4468 | 4468 | 4468 | 4468 | 4468 | 4468 | 4468 | 4468      | 4468               |

**ALIMENTARY SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus                                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum<br>Leukemia Mononuclear | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + |
| Intestine Large, Rectum                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum                      | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum<br>Leukemia Mononuclear | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum                       | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + |
| Liver  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hepatocellular Adenoma                         |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hepatocellular Adenoma, Multiple               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hepatocellular Carcinoma                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Histiocytic Sarcoma                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Leukemia Mononuclear                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mesentery                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Leukemia Mononuclear                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Oral Mucosa                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Squamous Cell Carcinoma                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

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 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
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| FISCHER 344 RATS-NCTR RATS<br>MALE<br>0.175 ACRYL | DAY ON TEST |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | ANIMAL ID | males<br>(cont...) |
|---|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|--------------------|
|   | 060         | 056 | 071 | 073 | 056 | 037 | 067 | 074 | 064 | 074 | 067 | 054 | 077 | 074 | 077 | 066 | 055 | 074 | 074 | 051 | 074 | 071 | 058 | 074 |           |                    |
|   | 080         | 062 | 022 | 033 | 069 | 076 | 070 | 044 | 041 | 044 | 026 | 044 | 044 | 026 | 030 | 055 | 044 | 044 | 015 | 044 | 019 | 085 | 044 | 044 |           |                    |
|   | 004         | 004 | 004 | 004 | 004 | 004 | 004 | 004 | 004 | 004 | 004 | 004 | 004 | 004 | 004 | 004 | 004 | 004 | 004 | 004 | 004 | 004 | 004 | 004 |           |                    |
|   | 111         | 122 | 122 | 133 | 133 | 124 | 121 | 144 | 155 | 166 | 177 | 188 | 188 | 177 | 188 | 188 | 199 | 199 | 100 | 100 | 111 | 111 | 122 | 122 |           |                    |

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pancreas<br>Leukemia Mononuclear             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|  |   |   | X |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |
| Salivary Glands<br>Leukemia Mononuclear      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Forestomach<br>Leukemia Mononuclear | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |
| Stomach, Glandular<br>Leukemia Mononuclear   | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|  |   |   | X |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |

**CARDIOVASCULAR SYSTEM**

|                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart<br>Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|                               |   |   | X | X |   |   |   |   |   | X | X |   |   | X |   |   |   |   | X |   |   |   |   | X |
| Schwannoma Malignant          |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |

**ENDOCRINE SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex<br>Carcinoma             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear                    |   |   | X |   |   |   |   |   |   | X |   |   |   | X |   |   |   |   |   |   |   |   |   |   |
| Adrenal Medulla<br>Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|   |   |   | X |   |   |   |   |   |   | X | X |   |   | X |   |   |   |   | X |   | X |   |   |   |
| Pheochromocytoma Benign                 |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   | X |   |   |   |
| Pheochromocytoma Malignant              |   |   |   |   |   |   |   |   |   | X |   |   |   | X |   |   | X | X |   |   |   |   |   |   |

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 + .. Tissue examined microscopically  
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P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
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 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>0.175 ACRYL | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ANIMAL ID | males<br>(cont...) |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|
|   | 0680        | 0562 | 0712 | 0733 | 0569 | 0376 | 0674 | 0764 | 0671 | 0744 | 0674 | 0744 | 0776 | 0660 | 0575 | 0744 | 0775 | 0574 | 0771 | 0585 | 0744 | 0779 | 0585 | 0744 | 0774 |           |                    |
|   | 0000        | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000      |                    |
|   | 4411        | 4421 | 4421 | 4422 | 4431 | 4432 | 4441 | 4442 | 4451 | 4452 | 4461 | 4462 | 4471 | 4472 | 4481 | 4482 | 4491 | 4492 | 4401 | 4402 | 4411 | 4412 | 4421 | 4422 | 4431 | 4432      |                    |

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Islets, Pancreatic<br>Adenoma<br>Leukemia Mononuclear                                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Parathyroid Gland  | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pituitary Gland<br>Leukemia Mononuclear<br>Pars Distalis, Adenoma                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|  |   |   | X |   |   |   |   |   |   |   |   | X | X |   | X |   | X | X | X |   | X | X |   |   |   |   |
| Thyroid Gland<br>C-cell, Adenoma<br>Follicular Cell, Adenoma<br>Follicular Cell, Carcinoma | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|  |   |   | X |   |   |   |   |   |   |   | X | X |   |   |   |   |   |   |   | X |   |   |   |   |   |   |

**GENERAL BODY SYSTEM**

Tissue NOS  
 Abdominal, Carcinoma, Metastatic, Adrenal  
 Cortex

**GENITAL SYSTEM**

|                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Coagulating Gland                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Epididymis<br>Mesothelioma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Preputial Gland<br>Adenoma           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

**TDMS No.** 20313 - 05  
**Test Type:** CHRONIC  
**Route:** DOSED WATER  
**Species/Strain:** RATS/F 344/NCTR

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
 Acrylamide  
**CAS Number:** 79-06-1

**Date Report Requested:** 01/15/2010  
**Time Report Requested:** 14:38:46  
**First Dose M/F:** 05/23/05 / 05/23/05  
**Lab:** NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>0.175 ACRYL | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | males<br>(cont...) |      |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------------------|------|
|   | 0680        | 0562 | 0712 | 0733 | 0569 | 0376 | 0674 | 0764 | 0641 | 0744 | 0526 | 0744 | 0774 | 0776 | 0630 | 0555 | 0744 | 0774 | 0575 | 0779 | 0585 | 0744 | 0774 | 0674 |                    | 0774 |
|   | ANIMAL ID   | 0041 | 0042 | 0043 | 0044 | 0045 | 0046 | 0047 | 0048 | 0049 | 0050 | 0051 | 0052 | 0053 | 0054 | 0055 | 0056 | 0057 | 0058 | 0059 | 0060 | 0061 | 0062 | 0063 |                    | 0064 |
| Adenoma, Multiple                                 |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                    | X    |
| Carcinoma   |             |      |      |      |      |      |      |      |      |      |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |                    |      |
| Leukemia Mononuclear                              |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                    |      |
| Squamous Cell Carcinoma                           |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                    |      |
| Squamous Cell Papilloma                           |             |      |      |      |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                    |      |
| Prostate  | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +                  | +    |
| Leukemia Mononuclear                              |             |      |      |      |      |      |      |      |      |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |                    |      |
| Seminal Vesicle                                   | +           | +    | +    | +    | +    | A    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +                  | +    |
| Leukemia Mononuclear                              |             |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                    |      |
| Testes  | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +                  | +    |
| Leukemia Mononuclear                              |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                    |      |
| Mesothelioma Malignant                            |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                    |      |
| Bilateral, Interstitial Cell, Adenoma             | X           | X    |      | X    |      |      | X    | X    |      |      |      |      | X    | X    |      | X    |      | X    |      |      |      | X    | X    | X    | X                  | X    |
| Interstitial Cell, Adenoma                        |             |      |      |      |      |      |      |      | X    |      |      |      |      |      | X    |      |      |      |      |      |      | X    |      |      |                    |      |

### HEMATOPOIETIC SYSTEM

|                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear                |   |   | X |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   | X |   |   |   |   |   |
| Lymph Node                          |   |   |   | + | + |   | + | + |   |   |   |   |   |   | + | + |   |   |   |   |   | + | + |   |   | + |
| Axillary, Leukemia Mononuclear      |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Deep Cervical, Leukemia Mononuclear |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hepatic, Leukemia Mononuclear       |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Iliac, Leukemia Mononuclear         |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lumbar, Leukemia Mononuclear        |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |
| Mediastinal, Leukemia Mononuclear   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   | X |   |   |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
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TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
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 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>0.175 ACRYL | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ANIMAL ID | males<br>(cont...) |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|
|   | 0680        | 0562 | 0712 | 0733 | 0569 | 0376 | 0674 | 0764 | 0671 | 0744 | 0674 | 0744 | 0772 | 0660 | 0535 | 0744 | 0774 | 0514 | 0744 | 0779 | 0585 | 0744 | 0774 | 0744 |           |                    |
|   | 0011        | 0042 | 0042 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 |           |                    |

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|
| Pancreatic, Leukemia Mononuclear       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| Renal, Leukemia Mononuclear            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| Lymph Node, Mandibular                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |  |
| Basal Cell Carcinoma, Metastatic, Skin |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| Leukemia Mononuclear                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| Lymph Node, Mesenteric                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |  |
| Leukemia Mononuclear                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| Spleen                                 | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |  |  |
| Histiocytic Sarcoma                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| Leukemia Mononuclear                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| Thymus                                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |  |  |
| Leukemia Mononuclear                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |

**INTEGUMENTARY SYSTEM**

|                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|
| Mammary Gland                | + | M | + | + | + | M | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |  |
| Fibroadenoma                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| Leukemia Mononuclear         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| Skin                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |  |
| Basal Cell Carcinoma         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| Keratoacanthoma              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| Papilloma                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| Sebaceous Gland, Adenoma     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| Subcutaneous Tissue, Fibroma |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| Subcutaneous Tissue, Lipoma  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| DAY ON TEST                            |                  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <b>FISCHER 344 RATS-NCTR RATS MALE</b> |                  | 6 | 5 | 7 | 7 | 5 | 3 | 6 | 7 | 6 | 7 | 5 | 7 | 7 | 7 | 6 | 5 | 7 | 7 | 5 | 7 | 7 | 5 | 7 | 7 |
|  |                  | 8 | 6 | 1 | 3 | 6 | 7 | 7 | 4 | 4 | 4 | 2 | 4 | 4 | 2 | 3 | 5 | 4 | 4 | 1 | 4 | 1 | 8 | 4 | 4 |
|  |                  | 0 | 2 | 2 | 3 | 9 | 6 | 0 | 4 | 1 | 4 | 6 | 4 | 4 | 6 | 0 | 5 | 4 | 4 | 5 | 4 | 9 | 5 | 4 | 4 |
| <b>0.175 ACRYL</b>                     |                  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  |                  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
|  | <b>ANIMAL ID</b> | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 2 | 2 | 2 | 2 | 2 |
|  | 1                | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 0 | 0 | 1 | 1 | 1 | 1 |   |
|  | 1                | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 |   |

males  
(cont...)

Subcutaneous Tissue, Sarcoma X X  
 Subcutaneous Tissue, Schwannoma Malignant X

**MUSCULOSKELETAL SYSTEM**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone, Femur          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skeletal Muscle      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**NERVOUS SYSTEM**

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain, Brain Stem         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear      |   |   | X |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Brain, Cerebellum         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear      |   |   | X |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   | X |   |   |   |   |
| Brain, Cerebrum           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Glioma Nos                |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |
| Leukemia Mononuclear      |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   | X |   |   |   |   |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spinal Cord, Cervical     | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear      |   |   | X |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   | X |   |   |   |   |
| Spinal Cord, Lumbar       | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear      |   |   | X |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   | X |   |   |   |   |
| Spinal Cord, Thoracic     | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

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 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>0.175 ACRYL | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ANIMAL ID | males<br>(cont...) |      |      |      |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|------|------|------|
|   | 0680        | 0562 | 0712 | 0733 | 0569 | 0376 | 0674 | 0074 | 0061 | 0074 | 0064 | 0074 | 0074 | 0072 | 0063 | 0055 | 0074 | 0074 | 0051 | 0074 |           |                    | 0077 | 0058 | 0074 |
|   | 0           | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0         | 0                  | 0    | 0    | 0    |
|   | 0           | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0         | 0                  | 0    | 0    | 0    |
|   | 4           | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 8    | 8    | 8    | 8    | 8    | 8    | 8    | 8    | 9    | 9    | 2         | 2                  | 2    | 2    | 3    |
|   | 1           | 1    | 2    | 2    | 3    | 4    | 4    | 5    | 6    | 7    | 7    | 8    | 8    | 9    | 9    | 0    | 0    | 1    | 1    | 1    | 2         | 2                  | 2    | 3    | 1    |
|   | 1           | 2    | 1    | 2    | 1    | 2    | 1    | 2    | 1    | 2    | 1    | 2    | 1    | 2    | 1    | 2    | 1    | 2    | 1    | 2    | 1         | 2                  | 1    | 2    | 1    |

Leukemia Mononuclear

X

X

X

**RESPIRATORY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Alveolar/Bronchiolar Adenoma                |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hepatocellular Carcinoma, Metastatic, Liver |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |
| Histiocytic Sarcoma                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |
| Leukemia Mononuclear                        |   |   | X | X |   |   |   |   |   | X | X |   |   | X |   |   |   | X | X |   |   |   | X |   |

|      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

|         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

**SPECIAL SENSES SYSTEM**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye                  | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**URINARY SYSTEM**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   | X |   |   |   |   |   |   |

|         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
|---------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| Urethra |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | + |
|---------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Urinary Bladder      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically



TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

|   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                    |      |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------------------|------|
| FISCHER 344 RATS-NCTR RATS<br>MALE<br>0.175 ACRYL | DAY ON TEST | 0680 | 0562 | 0712 | 0733 | 0569 | 0376 | 0674 | 0661 | 0744 | 0641 | 0744 | 0526 | 0744 | 0744 | 0726 | 0650 | 0744 | 0575 | 0741 | 0758 | 0744 | 0574 | 0744 | 0744 | 0744 | males<br>(cont...) |      |
|   | ANIMAL ID   | 0041 | 0042 | 0041 | 0042 | 0043 | 0044 | 0045 | 0046 | 0047 | 0048 | 0049 | 0050 | 0051 | 0052 | 0053 | 0054 | 0055 | 0056 | 0057 | 0058 | 0059 | 0060 | 0061 | 0062 | 0063 |                    | 0064 |
|   |             | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |                    | 0    |

**SYSTEMIC LESIONS**

|                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Multiple Organ         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |
| Leukemia Mononuclear   |   |   | X | X |   |   |   |   | X | X | X |   |   | X |   |   |   | X | X | X | X |   |   | X | X | X |
| Mesothelioma Malignant |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>0.175 ACRYL | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |                       |                       |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|   | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>4<br>4      | 0<br>6<br>8<br>0      | 0<br>7<br>1<br>8      | 0<br>6<br>7<br>3      | 0<br>6<br>9<br>7      | 0<br>7<br>3<br>7      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>7<br>1      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>4<br>1      | 0<br>7<br>3<br>8      | 0<br>5<br>4<br>4      | 0<br>5<br>5<br>7      |                       | 0<br>6<br>0<br>6      | 0<br>7<br>4<br>4      |
| ANIMAL ID   | 0<br>1<br>2<br>3<br>2 | 0<br>1<br>2<br>4<br>1 | 0<br>1<br>2<br>4<br>2 | 0<br>1<br>2<br>5<br>1 | 0<br>1<br>2<br>5<br>2 | 0<br>1<br>1<br>1<br>2 | 0<br>1<br>5<br>2<br>1 | 0<br>1<br>5<br>2<br>1 | 0<br>1<br>5<br>2<br>2 | 0<br>1<br>5<br>3<br>1 | 0<br>1<br>5<br>3<br>4 | 0<br>1<br>5<br>4<br>2 | 0<br>1<br>5<br>4<br>2 | 0<br>1<br>5<br>5<br>1 | 0<br>2<br>1<br>8<br>2 | 0<br>2<br>1<br>8<br>2 | 0<br>2<br>1<br>9<br>1 | 0<br>2<br>2<br>0<br>2 | 0<br>2<br>2<br>0<br>2 | 0<br>2<br>2<br>0<br>2 | 0<br>2<br>2<br>1<br>2 | 0<br>2<br>2<br>1<br>2 | 0<br>2<br>2<br>1<br>2 |

**ALIMENTARY SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Esophagus  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>48</b>  |
| Intestine Large, Cecum<br>Leukemia Mononuclear   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>47</b><br><b>2</b>  |
| Intestine Large, Colon   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>47</b>  |
| Intestine Large, Rectum  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>48</b>  |
| Intestine Small, Duodenum  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>47</b>  |
| Intestine Small, Ileum<br>Leukemia Mononuclear   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>47</b><br><b>1</b>  |
| Intestine Small, Jejunum   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>46</b>  |
| Liver<br>Hepatocellular Adenoma<br>Hepatocellular Adenoma, Multiple<br>Hepatocellular Carcinoma<br>Histiocytic Sarcoma<br>Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>48</b><br><b>3</b><br><b>1</b><br><b>1</b><br><b>1</b><br><b>20</b> |
| Mesentery<br>Leukemia Mononuclear  | + | + | + |   |   | + |   |   |   |   |   |   |   |   |   |   |   | + |   |   |   |   |   | <b>7</b><br><b>1</b>   |
| Oral Mucosa<br>Squamous Cell Carcinoma   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>2</b><br><b>1</b>   |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>0.175 ACRYL  | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |                       |                       |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|  | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>4<br>4      | 0<br>6<br>8<br>0      | 0<br>7<br>1<br>8      | 0<br>6<br>7<br>3      | 0<br>6<br>9<br>7      | 0<br>7<br>3<br>7      | 0<br>7<br>4<br>4      | 0<br>6<br>3<br>4      | 0<br>7<br>4<br>4  | 0<br>7<br>4<br>4      | 0<br>5<br>7<br>1      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>4<br>1      | 0<br>7<br>3<br>8      | 0<br>5<br>4<br>4      | 0<br>5<br>5<br>7      |                       | 0<br>6<br>0<br>6      | 0<br>7<br>4<br>4      |
| ANIMAL ID  | 0<br>1<br>2<br>3<br>2 | 0<br>1<br>2<br>4<br>1 | 0<br>1<br>2<br>4<br>2 | 0<br>1<br>2<br>5<br>1 | 0<br>1<br>2<br>5<br>1 | 0<br>1<br>2<br>1<br>2 | 0<br>1<br>5<br>2<br>1 | 0<br>1<br>5<br>2<br>1 | 0<br>1<br>5<br>3<br>2 | 0<br>1<br>5<br>3<br>4 | 0<br>1<br>5<br>3<br>1 | 0<br>1<br>5<br>4<br>2   | 0<br>1<br>5<br>4<br>2 | 0<br>1<br>5<br>5<br>1 | 0<br>2<br>1<br>8<br>2 | 0<br>2<br>1<br>8<br>2 | 0<br>2<br>1<br>9<br>1 | 0<br>2<br>2<br>9<br>2 | 0<br>2<br>2<br>0<br>1 | 0<br>2<br>2<br>0<br>1 | 0<br>2<br>2<br>1<br>2 | 0<br>2<br>2<br>1<br>2 | 0<br>2<br>2<br>1<br>2 |
| Pancreas   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Leukemia Mononuclear   |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 3                     |
| Salivary Glands  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Leukemia Mononuclear   |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Stomach, Forestomach   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 47                    |
| Leukemia Mononuclear   |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     |
| Stomach, Glandular   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 47                    |
| Leukemia Mononuclear   |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 3                     |
| <b>CARDIOVASCULAR SYSTEM</b>   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Blood Vessel   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Heart  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Leukemia Mononuclear   |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |   |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       | 9                     |
| Schwannoma Malignant   |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 3                     |
| <b>ENDOCRINE SYSTEM</b>  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Adrenal Cortex   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Carcinoma  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Leukemia Mononuclear   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       | 3                     |
| Adrenal Medulla  | +                     | +                     | +                     | M                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 47                    |
| Leukemia Mononuclear   |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |   |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       | 8                     |
| Pheochromocytoma Benign  |                       |                       | X                     |                       |                       |                       |                       |                       | X                     |                       |                       |   | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       | 5                     |
| Pheochromocytoma Malignant   | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       | 6                     |
| * .. Total animals with tissue examined microscopically; Total animals with tumor<br>+ .. Tissue examined microscopically<br>X .. Lesion present<br>I .. Insufficient tissue |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | M .. Missing tissue<br>A .. Autolysis precludes evaluation<br>BLANK .. Not examined microscopically |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>0.175 ACRYL | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |                       |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|   | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>4<br>4      | 0<br>6<br>8<br>0      | 0<br>7<br>1<br>8      | 0<br>6<br>7<br>3      | 0<br>6<br>9<br>7      | 0<br>7<br>3<br>7      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>7<br>1      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>4<br>1      | 0<br>7<br>3<br>8      | 0<br>5<br>4<br>4      | 0<br>5<br>5<br>7      | 0<br>6<br>0<br>6      |                       | 0<br>7<br>4<br>4      |
| ANIMAL ID   | 0<br>1<br>2<br>3<br>2 | 0<br>1<br>2<br>4<br>1 | 0<br>1<br>2<br>4<br>2 | 0<br>1<br>2<br>5<br>1 | 0<br>1<br>2<br>5<br>2 | 0<br>1<br>1<br>1<br>1 | 0<br>1<br>5<br>1<br>2 | 0<br>1<br>5<br>2<br>1 | 0<br>1<br>5<br>2<br>1 | 0<br>1<br>5<br>3<br>2 | 0<br>1<br>5<br>3<br>4 | 0<br>1<br>5<br>4<br>2 | 0<br>1<br>5<br>5<br>1 | 0<br>2<br>1<br>8<br>2 | 0<br>2<br>1<br>8<br>2 | 0<br>2<br>1<br>9<br>1 | 0<br>2<br>2<br>9<br>2 | 0<br>2<br>2<br>9<br>2 | 0<br>2<br>2<br>0<br>1 | 0<br>2<br>2<br>0<br>1 | 0<br>2<br>2<br>1<br>2 | 0<br>2<br>2<br>1<br>2 |

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Islets, Pancreatic<br>Adenoma<br>Leukemia Mononuclear                                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
|  |   | X |   |   |   |   |   |   |   | X |   |   | X |   |   |   |   |   |   |   |   |   | 4  |
|  |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Parathyroid Gland  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Pituitary Gland<br>Leukemia Mononuclear<br>Pars Distalis, Adenoma                          | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   | 2  |
|  | X | X |   | X | X |   | X |   | X | X | X | X | X | X |   | X | X | X |   |   | X |   | 24 |
| Thyroid Gland<br>C-cell, Adenoma<br>Follicular Cell, Adenoma<br>Follicular Cell, Carcinoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   | 5  |
|  |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
|  |   |   | X | X |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   | 3  |

**GENERAL BODY SYSTEM**

|   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| Tissue NOS<br>Abdominal, Carcinoma, Metastatic, Adrenal<br>Cortex |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
|   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |

**GENITAL SYSTEM**

|                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Coagulating Gland                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Epididymis<br>Mesothelioma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
|                                      |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Preputial Gland<br>Adenoma           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
|                                      |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>0.175 ACRYL | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|   | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>4<br>4      | 0<br>6<br>8<br>0      | 0<br>7<br>1<br>8      | 0<br>6<br>7<br>3      | 0<br>6<br>9<br>7      | 0<br>7<br>3<br>7      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>7<br>1      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>4<br>1      | 0<br>7<br>3<br>8      | 0<br>5<br>4<br>4      | 0<br>5<br>5<br>7      | 0<br>6<br>0<br>6      |                       |
| ANIMAL ID   | 0<br>1<br>2<br>3<br>2 | 0<br>1<br>2<br>4<br>1 | 0<br>1<br>2<br>4<br>2 | 0<br>1<br>2<br>5<br>1 | 0<br>1<br>2<br>5<br>1 | 0<br>1<br>2<br>1<br>2 | 0<br>1<br>5<br>1<br>2 | 0<br>1<br>5<br>2<br>2 | 0<br>1<br>5<br>3<br>2 | 0<br>1<br>5<br>3<br>4 | 0<br>1<br>5<br>4<br>2 | 0<br>1<br>5<br>4<br>1 | 0<br>1<br>5<br>5<br>2 | 0<br>1<br>5<br>5<br>1 | 0<br>2<br>1<br>8<br>2 | 0<br>2<br>1<br>8<br>1 | 0<br>2<br>1<br>9<br>2 | 0<br>2<br>2<br>0<br>1 | 0<br>2<br>2<br>0<br>2 | 0<br>2<br>2<br>1<br>2 | 0<br>2<br>2<br>1<br>2 |

|                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Adenoma, Multiple                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Carcinoma                             |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   | X | X |   |   |   | 4  |
| Leukemia Mononuclear                  |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Squamous Cell Carcinoma               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   | 1  |
| Squamous Cell Papilloma               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Prostate                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear                  |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Seminal Vesicle                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Leukemia Mononuclear                  |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Testes                                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear                  |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Mesothelioma Malignant                |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Bilateral, Interstitial Cell, Adenoma |   | X | X |   | X |   | X |   |   | X | X |   | X |   | X | X |   | X | X | X |   |   | 26 |
| Interstitial Cell, Adenoma            | X |   |   | X |   | X |   | X | X |   |   |   | X |   |   |   |   |   |   |   | X |   | 10 |

**HEMATOPOIETIC SYSTEM**

|                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone Marrow                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear                |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4  |
| Lymph Node                          | + |   |   | + |   | + |   |   |   | + |   | + | + | + |   |   | + | + |   |   | + | + | 22 |
| Axillary, Leukemia Mononuclear      |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Deep Cervical, Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Hepatic, Leukemia Mononuclear       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Iliac, Leukemia Mononuclear         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Lumbar, Leukemia Mononuclear        |   |   |   |   |   |   | X |   |   | X |   |   |   |   |   |   | X |   |   |   |   |   | 5  |
| Mediastinal, Leukemia Mononuclear   |   |   |   | X |   |   |   |   | X |   |   |   |   |   |   |   | X |   |   |   | X |   | 6  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>0.175 ACRYL | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |                  |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------|
|   | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>4<br>4      | 0<br>6<br>8<br>0      | 0<br>7<br>1<br>8      | 0<br>6<br>7<br>3      | 0<br>6<br>9<br>7      | 0<br>7<br>3<br>7      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>7<br>1      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>4<br>1      | 0<br>7<br>3<br>8      | 0<br>5<br>4<br>4      | 0<br>5<br>5<br>7      | 0<br>6<br>0<br>6      |                       | 0<br>7<br>4<br>4 |
| ANIMAL ID   | 0<br>1<br>2<br>3<br>2 | 0<br>1<br>2<br>4<br>1 | 0<br>1<br>2<br>4<br>2 | 0<br>1<br>2<br>5<br>1 | 0<br>1<br>2<br>5<br>1 | 0<br>1<br>2<br>1<br>2 | 0<br>1<br>5<br>1<br>2 | 0<br>1<br>5<br>2<br>2 | 0<br>1<br>5<br>3<br>2 | 0<br>1<br>5<br>3<br>4 | 0<br>1<br>5<br>4<br>2 | 0<br>1<br>5<br>4<br>1 | 0<br>1<br>5<br>5<br>2 | 0<br>2<br>1<br>8<br>1 | 0<br>2<br>1<br>8<br>2 | 0<br>2<br>1<br>9<br>1 | 0<br>2<br>2<br>0<br>1 | 0<br>2<br>2<br>0<br>2 | 0<br>2<br>2<br>0<br>1 | 0<br>2<br>2<br>1<br>2 | 0<br>2<br>2<br>1<br>2 |                  |
| Pancreatic, Leukemia Mononuclear                  |                       |                       |                       | X                     |                       |                       |                       |                       | X                     |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       | X                     | X                     | 8                |
| Renal, Leukemia Mononuclear                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       | 4                |
| Lymph Node, Mandibular                            | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48               |
| Basal Cell Carcinoma, Metastatic, Skin            |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                |
| Leukemia Mononuclear                              |                       |                       |                       |                       |                       | X                     |                       |                       | X                     |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       | X                     | X                     | 10               |
| Lymph Node, Mesenteric                            | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48               |
| Leukemia Mononuclear                              |                       |                       |                       |                       |                       | X                     |                       |                       | X                     |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       | 9                |
| Spleen  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 47               |
| Histiocytic Sarcoma                               |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                |
| Leukemia Mononuclear                              |                       |                       | X                     | X                     |                       | X                     |                       |                       | X                     |                       | X                     | X                     |                       |                       |                       |                       | X                     | X                     |                       | X                     | X                     | 23               |
| Thymus  | +                     | +                     | +                     | M                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | M                     | +                     | +                     | +                     | +                     | +                     | 46               |
| Leukemia Mononuclear                              |                       |                       |                       |                       |                       | X                     |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 4                |

**INTEGUMENTARY SYSTEM**

|                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Mammary Gland                | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | M | + | 43 |
| Fibroadenoma                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Leukemia Mononuclear         |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Skin                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Basal Cell Carcinoma         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Keratoacanthoma              |   |   |   |   |   | X |   |   |   |   |   |   |   |   | X | X |   |   |   |   |   |   | 4  |
| Papilloma                    |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Sebaceous Gland, Adenoma     |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Subcutaneous Tissue, Fibroma | X |   | X |   |   |   | X |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   | 5  |
| Subcutaneous Tissue, Lipoma  | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
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TDMS No. 20313 - 05  
 Test Type: CHRONIC  
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P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
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 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>0.175 ACRYL | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |                       |                       |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|   | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>4<br>4      | 0<br>6<br>8<br>0      | 0<br>7<br>1<br>8      | 0<br>6<br>7<br>3      | 0<br>6<br>9<br>7      | 0<br>7<br>3<br>7      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>7<br>1      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>4<br>1      | 0<br>7<br>3<br>8      | 0<br>5<br>4<br>4      | 0<br>5<br>5<br>7      | 0<br>6<br>0<br>6      |                       | 0<br>7<br>4<br>4      |                       |
| ANIMAL ID   | 0<br>1<br>2<br>3<br>2 | 0<br>1<br>2<br>4<br>1 | 0<br>1<br>2<br>4<br>2 | 0<br>1<br>2<br>5<br>1 | 0<br>1<br>2<br>5<br>1 | 0<br>1<br>1<br>1<br>2 | 0<br>1<br>5<br>2<br>1 | 0<br>1<br>5<br>2<br>2 | 0<br>1<br>5<br>3<br>2 | 0<br>1<br>5<br>3<br>4 | 0<br>1<br>5<br>3<br>1 | 0<br>1<br>5<br>4<br>2 | 0<br>1<br>5<br>5<br>1 | 0<br>2<br>1<br>8<br>2 | 0<br>2<br>1<br>8<br>2 | 0<br>2<br>1<br>9<br>1 | 0<br>2<br>2<br>0<br>1 | 0<br>2<br>2<br>0<br>2 | 0<br>2<br>2<br>0<br>1 | 0<br>2<br>2<br>1<br>2 | 0<br>2<br>2<br>1<br>2 | 0<br>2<br>2<br>1<br>2 | 0<br>2<br>2<br>1<br>2 |

Subcutaneous Tissue, Sarcoma 2  
 Subcutaneous Tissue, Schwannoma Malignant 1

**MUSCULOSKELETAL SYSTEM**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone, Femur          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Skeletal Muscle      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |

**NERVOUS SYSTEM**

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Brain, Brain Stem         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   | 3  |
| Brain, Cerebellum         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3  |
| Brain, Cerebrum           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Glioma Nos                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Leukemia Mononuclear      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Spinal Cord, Cervical     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Leukemia Mononuclear      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3  |
| Spinal Cord, Lumbar       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Leukemia Mononuclear      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3  |
| Spinal Cord, Thoracic     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>0.175 ACRYL | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |                       |                       |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|   | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>4<br>4      | 0<br>6<br>8<br>0      | 0<br>7<br>1<br>8      | 0<br>6<br>7<br>3      | 0<br>6<br>9<br>7      | 0<br>7<br>3<br>7      | 0<br>7<br>4<br>4      | 0<br>6<br>3<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>7<br>1      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>4<br>1      | 0<br>7<br>3<br>8      | 0<br>5<br>4<br>4      | 0<br>5<br>5<br>7      |                       | 0<br>6<br>0<br>6      | 0<br>7<br>4<br>4      |
| ANIMAL ID   | 0<br>1<br>2<br>3<br>2 | 0<br>1<br>2<br>4<br>1 | 0<br>1<br>2<br>4<br>2 | 0<br>1<br>2<br>5<br>1 | 0<br>1<br>2<br>5<br>2 | 0<br>1<br>1<br>1<br>1 | 0<br>1<br>5<br>1<br>2 | 0<br>1<br>5<br>2<br>2 | 0<br>1<br>5<br>2<br>2 | 0<br>1<br>5<br>3<br>1 | 0<br>1<br>5<br>3<br>2 | 0<br>1<br>5<br>4<br>1 | 0<br>1<br>5<br>4<br>2 | 0<br>1<br>5<br>5<br>1 | 0<br>2<br>1<br>8<br>1 | 0<br>2<br>1<br>8<br>2 | 0<br>2<br>1<br>9<br>1 | 0<br>2<br>2<br>9<br>2 | 0<br>2<br>2<br>0<br>1 | 0<br>2<br>2<br>0<br>2 | 0<br>2<br>2<br>1<br>1 | 0<br>2<br>2<br>1<br>2 | 0<br>2<br>2<br>1<br>2 |

Leukemia Mononuclear

3

**RESPIRATORY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Lung  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Alveolar/Bronchiolar Adenoma                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Hepatocellular Carcinoma, Metastatic, Liver |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Histiocytic Sarcoma                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Leukemia Mononuclear                        |   |   |   | X |   |   | X |   |   | X |   | X |   |   |   | X |   |   |   | X | X |   |   | 15 |
| Nose  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Trachea                                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |

**SPECIAL SENSES SYSTEM**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Eye                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Harderian Gland      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |

**URINARY SYSTEM**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Kidney               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3  |
| Urethra              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Urinary Bladder      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically



TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

|  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                 |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------|
| <b>FISCHER 344 RATS-NCTR RATS MALE</b><br><b>0.175 ACRYL</b> | DAY ON TEST | 0744  | 0744  | 0744  | 0544  | 06680 | 07683 | 06677 | 07693 | 07744 | 06734 | 07744 | 07744 | 05714 | 07744 | 05744 | 07738 | 05744 | 05757 | 06606 | 07744 |                 |
|  | ANIMAL ID   | 01232 | 01232 | 01232 | 01232 | 01232 | 01232 | 01232 | 01232 | 01232 | 01232 | 01232 | 01232 | 01232 | 01232 | 01232 | 01232 | 01232 | 01232 | 01232 | 01232 | 01232           |
|  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <b>* TOTALS</b> |

**SYSTEMIC LESIONS**

|                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Multiple Organ         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>48</b> |
| Histiocytic Sarcoma    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>  |
| Leukemia Mononuclear   |   |   | X | X |   |   | X |   |   | X | X |   |   |   |   |   | X | X |   |   | X | X | <b>23</b> |
| Mesothelioma Malignant |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>0.0875 ACRYL | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID        | males<br>(cont...) |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------|
|  | 0<br>7<br>4<br>4 | 0<br>6<br>2<br>8 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>6<br>3<br>7 | 0<br>6<br>3<br>7 | 0<br>5<br>3<br>2 | 0<br>7<br>4<br>4 | 0<br>6<br>0<br>9 | 0<br>7<br>3<br>9 | 0<br>6<br>2<br>5 | 0<br>7<br>2<br>4 | 0<br>5<br>2<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>4<br>7<br>4 | 0<br>2<br>4<br>6 | 0<br>5<br>7<br>1 | 0<br>6<br>3<br>3 | 0<br>5<br>6<br>4 | 0<br>7<br>1<br>8 | 0<br>5<br>1<br>6 | 0<br>6<br>1<br>6 |                  |                    |
|  | 0<br>0<br>1<br>1 | 0<br>0<br>1<br>2 | 0<br>0<br>1<br>1 | 0<br>0<br>1<br>2 | 0<br>0<br>1<br>1 | 0<br>0<br>1<br>3 | 0<br>0<br>1<br>4 | 0<br>0<br>1<br>2 | 0<br>0<br>1<br>5 | 0<br>0<br>1<br>5 | 0<br>0<br>1<br>6 | 0<br>0<br>1<br>7 | 0<br>0<br>1<br>7 | 0<br>0<br>1<br>8 | 0<br>0<br>1<br>8 | 0<br>0<br>1<br>9 | 0<br>0<br>0<br>9 | 0<br>0<br>0<br>9 | 0<br>0<br>0<br>6 | 0<br>0<br>0<br>6 | 0<br>0<br>0<br>7 | 0<br>0<br>0<br>7 | 0<br>0<br>0<br>7 | 0<br>0<br>0<br>8 | 0<br>0<br>0<br>8 |                    |

**ALIMENTARY SYSTEM**

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   | X |
| Mesothelioma Malignant    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Intestine Large, Colon    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |
| Mesothelioma Malignant    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Intestine Small, Ileum    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X | X |
| Intestine Small, Jejunum  | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Leukemia Mononuclear      |   |   |   | X |   |   |   |   |   |   | X | X |   | X | X |   |   |   |   | X | X | X |   | X | X |
| Mesentery                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |
| Leukemia Mononuclear      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mesothelioma Malignant    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Pancreas                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
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 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>0.0875 ACRYL | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ANIMAL ID | males<br>(cont...) |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|
|  | 0744        | 0628 | 0744 | 0744 | 0637 | 0667 | 0572 | 0764 | 0669 | 0769 | 0660 | 0765 | 0774 | 0774 | 0774 | 0774 | 0447 | 0244 | 0567 | 0633 | 0564 | 0718 | 0561 | 0668 |           |                    |
|  | 0011        | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 |           |                    |

Leukemia Mononuclear  
 Mesothelioma Malignant

X X

Salivary Glands  
 Leukemia Mononuclear

+  
 X

Stomach, Forestomach  
 Squamous Cell Papilloma

+  
 X

Stomach, Glandular  
 Leukemia Mononuclear

+  
 X

Tongue  
 Squamous Cell Papilloma

**CARDIOVASCULAR SYSTEM**

Blood Vessel  
 Leukemia Mononuclear

+  
 X

Heart  
 Leukemia Mononuclear  
 Schwannoma Malignant

+  
 X  
 X

**ENDOCRINE SYSTEM**

Adrenal Cortex  
 Leukemia Mononuclear

+  
 X

Adrenal Medulla  
 Leukemia Mononuclear

+  
 X

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

**TDMS No.** 20313 - 05  
**Test Type:** CHRONIC  
**Route:** DOSED WATER  
**Species/Strain:** RATS/F 344/NCTR

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
 Acrylamide  
**CAS Number:** 79-06-1

**Date Report Requested:** 01/15/2010  
**Time Report Requested:** 14:38:46  
**First Dose M/F:** 05/23/05 / 05/23/05  
**Lab:** NCTR

|   | DAY ON TEST |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |   | males<br>(cont...) |
|---|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|--------------------|
| <b>FISCHER 344 RATS-NCTR RATS MALE</b>      | 0           | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0 |                    |
| <b>0.0875 ACRYL</b>                         | 0           | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0 |                    |
| ANIMAL ID                                   | 001111      | 001111 | 001111 | 001111 | 001111 | 001111 | 001111 | 001111 | 001111 | 001111 | 001111 | 001111 | 001111 | 001111 | 001111 | 001111 | 001111 | 001111 | 001111 | 001111 | 001111 | 001111 | 001111 |   |                    |
| Pheochromocytoma Benign                     |             |        |        |        |        |        |        | X      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |   |                    |
| Pheochromocytoma Malignant                  |             | X      | X      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |   |                    |
| Islets, Pancreatic Adenoma                  | +           | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      |   |                    |
| Parathyroid Gland                           | +           | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      |   |                    |
| Pituitary Gland                             | +           | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      |   |                    |
| Leukemia Mononuclear Pars Distalis, Adenoma |             | X      |        | X      |        | X      | X      | X      | X      | X      | X      | X      | X      | X      | X      | X      |        | X      | X      |        | X      | X      |        |   |                    |
| Thyroid Gland                               | +           | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      |   |                    |
| C-cell, Carcinoma                           |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |   |                    |
| Follicular Cell, Adenoma                    |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |   |                    |
| Follicular Cell, Carcinoma                  |             |        |        |        | X      |        |        |        | X      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |   |                    |

## GENERAL BODY SYSTEM

|            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Tissue NOS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

## GENITAL SYSTEM

|                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epididymis             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |
| Mesothelioma Malignant |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |
| Preputial Gland        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma                |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Carcinoma              |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   | X |   |   |   |   |
| Leukemia Mononuclear   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

|                                    |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |                    |
|------------------------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|
| DAY ON TEST                        |  | 7 | 6 | 7 | 7 | 6 | 6 | 5 | 7 | 6 | 7 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | 4 | 2 | 5 | 6 | 5 | 7 | 5 | 6 |                    |
| FISCHER 344 RATS-NCTR RATS<br>MALE |  | 4 | 2 | 4 | 4 | 3 | 3 | 3 | 4 | 0 | 3 | 7 | 2 | 2 | 4 | 4 | 4 | 4 | 7 | 4 | 7 | 3 | 6 | 1 | 1 | 6 |                    |
| 0.0875 ACRYL                       |  | 4 | 8 | 4 | 4 | 7 | 7 | 2 | 4 | 9 | 9 | 0 | 5 | 2 | 4 | 4 | 4 | 4 | 6 | 1 | 3 | 4 | 8 | 6 | 8 |   |                    |
| ANIMAL ID                          |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                    |
|                                    |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |                    |
|                                    |  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                    |
|                                    |  | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 0 | 0 | 6 | 6 | 7 | 7 | 8 | males<br>(cont...) |
|                                    |  | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 |                    |

|                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Squamous Cell Carcinoma               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Prostate                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Leukemia Mononuclear                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |
| Mesothelioma Malignant                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Seminal Vesicle                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |
| Mesothelioma Malignant                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Testes                                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mesothelioma Malignant                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Bilateral, Interstitial Cell, Adenoma | X |   |   | X | X |   |   | X |   |   | X | X |   |   |   |   |   |   |   |   | X |   |   | X |   |   |   |   |
| Interstitial Cell, Adenoma            |   | X | X |   |   |   |   |   |   |   |   |   |   | X | X | X |   |   | X |   |   |   |   | X |   |   |   |   |

**HEMATOPOIETIC SYSTEM**

|                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Leukemia Mononuclear                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   | X |
| Lymph Node                          |   |   |   |   |   | + |   |   |   |   | + | + |   |   |   |   |   |   |   |   |   |   |   | + |   | + | + |   |
| Axillary, Leukemia Mononuclear      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |
| Deep Cervical, Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lumbar, Histiocytic Sarcoma         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lumbar, Leukemia Mononuclear        |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |
| Mediastinal, Histiocytic Sarcoma    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mediastinal, Leukemia Mononuclear   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   | X |   | X | X |   |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
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 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

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 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>0.0875 ACRYL | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | males<br>(cont...) |   |   |   |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|---|---|
|  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                    |   |   |   |
|  | 7           | 6 | 7 | 7 | 6 | 6 | 5 | 7 | 6 | 7 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | 4 | 2 | 5 | 6 | 5 |                    | 7 | 5 | 6 |
| ANIMAL ID  | 4           | 2 | 4 | 4 | 3 | 3 | 3 | 4 | 0 | 3 | 7 | 2 | 2 | 4 | 4 | 4 | 4 | 7 | 4 | 7 | 3 | 6 | 1                  | 1 | 6 | 8 |
|  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0                  | 0 | 0 | 0 |
|  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1                  | 1 | 1 | 1 |
|  | 1           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0                  | 0 | 0 | 0 |
|  | 1           | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 0 | 0 | 6 | 6 | 7                  | 7 | 8 | 1 |
|  | 1           | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1                  | 2 | 1 | 2 |
| Pancreatic, Leukemia Mononuclear                   |             |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |                    |   |   | X |
| Popliteal, Leukemia Mononuclear                    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |   |   |   |
| Renal, Histiocytic Sarcoma                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |   |   |   |
| Renal, Leukemia Mononuclear                        |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |   |   | X |
| Lymph Node, Mandibular                             | +           | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | +                  | + | + | + |
| Histiocytic Sarcoma                                |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |   |   |   |
| Leukemia Mononuclear                               |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |                    |   |   | X |
| Lymph Node, Mesenteric                             | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +                  | + | + | + |
| Leukemia Mononuclear                               |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X | X |                    |   |   | X |
| Spleen   | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +                  | + | + | + |
| Leukemia Mononuclear                               |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X | X | X                  |   |   | X |
| Thymus   | +           | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | +                  | + | + | + |
| Leukemia Mononuclear                               |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |   |   | X |
| Lymphoma Malignant                                 |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |   |   | X |

INTEGUMENTARY SYSTEM

|                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | M | + | M | M |   |
| Fibroadenoma                       | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |
| Leukemia Mononuclear               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Skin                               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Keratoacanthoma                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Squamous Cell Carcinoma            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Ear, Neural Crest Tumor, Malignant |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |
| Sebaceous Gland, Adenoma           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
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 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
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 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>0.0875 ACRYL | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ANIMAL ID | males<br>(cont...) |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|
|  | 0744        | 0628 | 0744 | 0744 | 0637 | 0667 | 0532 | 0744 | 0669 | 0769 | 0660 | 0752 | 0774 | 0774 | 0774 | 0774 | 0444 | 0244 | 0557 | 0663 | 0564 | 0718 | 0511 | 0666 |           |                    |
|  | 0011        | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011      | 0011               |

Subcutaneous Tissue, Fibroma  
 Subcutaneous Tissue, Osteosarcoma

X X

X

**MUSCULOSKELETAL SYSTEM**

Bone

Bone, Femur

Skeletal Muscle

+  
 +

**NERVOUS SYSTEM**

Brain, Brain Stem

Brain, Cerebellum

Leukemia Mononuclear

Osteosarcoma, Metastatic, Skin

Brain, Cerebrum

Leukemia Mononuclear

Peripheral Nerve, Sciatic

Spinal Cord, Cervical

Spinal Cord, Lumbar

Spinal Cord, Thoracic

+  
 +  
 X  
 +  
 X X  
 +  
 +  
 +  
 +

**RESPIRATORY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically





TDMS No. 20313 - 05  
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|   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| <b>FISCHER 344 RATS-NCTR RATS MALE</b><br><b>0.0875 ACRYL</b> | DAY ON TEST | 0744 | 0628 | 0744 | 0744 | 0637 | 0667 | 0532 | 0744 | 0639 | 0769 | 0670 | 0752 | 0774 | 0774 | 0774 | 0774 | 0447 | 0246 | 0553 | 0633 | 0564 | 0718 | 0511 | 0668 | 0668 |
|   | ANIMAL ID   | 0011 | 0012 | 0011 | 0022 | 0033 | 0034 | 0044 | 0055 | 0066 | 0077 | 0088 | 0099 | 0099 | 0099 | 0099 | 0099 | 0099 | 0099 | 0000 | 0006 | 0006 | 0016 | 0017 | 0018 | 0088 |

males  
(cont...)

Mesothelioma Malignant

**SYSTEMIC LESIONS**

|                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Multiple Organ         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Histiocytic Sarcoma    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Leukemia Mononuclear   |   |   | X |   |   |   |   |   |   | X | X | X |   | X |   | X |   |   |   | X | X | X |   | X | X |   |  |
| Lymphoma Malignant     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |  |
| Mesothelioma Malignant |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>0.0875 ACRYL | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | ANIMAL ID             |  |                  |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--|------------------|
|  | 0<br>5<br>4<br>2      | 0<br>7<br>4<br>4      | 0<br>3<br>3<br>1      | 0<br>7<br>3<br>9      | 0<br>6<br>0<br>6      | 0<br>3<br>6<br>4      | 0<br>6<br>9<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>1<br>5      | 0<br>7<br>1<br>0      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>0<br>9      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>2      | 0<br>6<br>4<br>4      | 0<br>5<br>5<br>1      | 0<br>6<br>5<br>4      | 0<br>4<br>5<br>9      | 0<br>7<br>0<br>8      |                       |  | 0<br>6<br>9<br>5 |
|  | 0<br>1<br>0<br>8<br>2 | 0<br>1<br>0<br>9<br>1 | 0<br>1<br>0<br>9<br>2 | 0<br>1<br>1<br>0<br>1 | 0<br>1<br>1<br>0<br>2 | 0<br>1<br>6<br>6<br>1 | 0<br>1<br>6<br>6<br>2 | 0<br>1<br>6<br>7<br>1 | 0<br>1<br>6<br>7<br>2 | 0<br>1<br>6<br>8<br>1 | 0<br>1<br>6<br>8<br>2 | 0<br>1<br>6<br>9<br>2 | 0<br>1<br>7<br>0<br>1 | 0<br>1<br>7<br>0<br>2 | 0<br>2<br>0<br>6<br>2 | 0<br>2<br>0<br>6<br>2 | 0<br>2<br>0<br>7<br>1 | 0<br>2<br>0<br>8<br>2 | 0<br>2<br>0<br>8<br>1 | 0<br>2<br>0<br>8<br>2 | 0<br>2<br>0<br>9<br>2 |  |                  |
|  | <b>* TOTALS</b>       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |                  |

**ALIMENTARY SYSTEM**

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>48</b> |
| Intestine Large, Cecum    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>48</b> |
| Leukemia Mononuclear      |   |   |   | X |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>4</b>  |
| Mesothelioma Malignant    |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>  |
| Intestine Large, Colon    | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>47</b> |
| Intestine Large, Rectum   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>48</b> |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>48</b> |
| Leukemia Mononuclear      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>  |
| Mesothelioma Malignant    |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>  |
| Intestine Small, Ileum    | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>47</b> |
| Leukemia Mononuclear      |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>3</b>  |
| Intestine Small, Jejunum  | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>46</b> |
| Liver                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>48</b> |
| Histiocytic Sarcoma       |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>  |
| Leukemia Mononuclear      |   |   |   | X | X |   | X |   |   | X | X |   |   |   | X | X | X |   |   | X | X |   |   | <b>20</b> |
| Mesentery                 |   |   |   | + |   | + |   |   |   | + |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>4</b>  |
| Leukemia Mononuclear      |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>  |
| Mesothelioma Malignant    |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>  |
| Pancreas                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>48</b> |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>0.0875 ACRYL | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |       |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|
|  | 0542        | 0744  | 0331  | 0739  | 0630  | 0366  | 0642  | 0721  | 0771  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0666  | 0555  | 0664  |          | 0777  |
| ANIMAL ID  | 01082       | 01192 | 01112 | 01112 | 01112 | 01166 | 01166 | 01166 | 01166 | 01166 | 01166 | 01166 | 01166 | 01166 | 01166 | 01166 | 01166 | 01166 | 01166 | 01166 | 01166    | 01166 |
| Leukemia Mononuclear                               |             |       |       | X     |       |       |       |       |       | X     |       | X     |       |       |       |       | X     |       |       |       |          | 6     |
| Mesothelioma Malignant                             |             |       |       |       |       |       |       |       |       | X     |       |       |       |       |       |       |       |       |       |       |          | 1     |
| Salivary Glands                                    | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 48    |
| Leukemia Mononuclear                               |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 1     |
| Stomach, Forestomach                               | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 48    |
| Squamous Cell Papilloma                            |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 1     |
| Stomach, Glandular                                 | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 48    |
| Leukemia Mononuclear                               |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 1     |
| Tongue   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | +        | 1     |
| Squamous Cell Papilloma                            |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | X        | 1     |
| <b>CARDIOVASCULAR SYSTEM</b>                       |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |
| Blood Vessel                                       | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 48    |
| Leukemia Mononuclear                               |             |       |       | X     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 2     |
| Heart  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 48    |
| Leukemia Mononuclear                               |             |       |       | X     | X     |       |       |       |       |       | X     |       |       |       |       |       |       |       |       |       | X        | 9     |
| Schwannoma Malignant                               |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 2     |
| <b>ENDOCRINE SYSTEM</b>                            |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |
| Adrenal Cortex                                     | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 48    |
| Leukemia Mononuclear                               |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 3     |
| Adrenal Medulla                                    | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 48    |
| Leukemia Mononuclear                               |             |       |       | X     | X     |       |       |       |       |       |       |       |       |       |       |       |       | X     |       |       |          | 6     |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
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TDMS No. 20313 - 05  
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P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>0.0875 ACRYL   | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |                       |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|  | 0<br>5<br>4<br>2      | 0<br>7<br>4<br>4      | 0<br>3<br>3<br>1      | 0<br>7<br>3<br>9      | 0<br>6<br>0<br>6      | 0<br>3<br>6<br>4      | 0<br>6<br>2<br>9      | 0<br>7<br>2<br>6      | 0<br>7<br>1<br>5      | 0<br>7<br>1<br>0      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>0<br>9      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>2      | 0<br>6<br>4<br>4      | 0<br>5<br>5<br>1      | 0<br>6<br>5<br>4      | 0<br>4<br>5<br>9      | 0<br>7<br>0<br>8      |                       | 0<br>6<br>9<br>5      |
| ANIMAL ID  | 0<br>1<br>0<br>8<br>2 | 0<br>1<br>0<br>9<br>1 | 0<br>1<br>0<br>9<br>2 | 0<br>1<br>0<br>0<br>1 | 0<br>1<br>1<br>6<br>2 | 0<br>1<br>6<br>6<br>1 | 0<br>1<br>6<br>6<br>2 | 0<br>1<br>6<br>7<br>1 | 0<br>1<br>6<br>7<br>2 | 0<br>1<br>6<br>8<br>1 | 0<br>1<br>6<br>8<br>2 | 0<br>1<br>6<br>9<br>1 | 0<br>1<br>6<br>9<br>2 | 0<br>1<br>7<br>0<br>0 | 0<br>1<br>7<br>0<br>6 | 0<br>2<br>2<br>6<br>2 | 0<br>2<br>2<br>7<br>1 | 0<br>2<br>2<br>8<br>2 | 0<br>2<br>2<br>8<br>1 | 0<br>2<br>2<br>8<br>2 | 0<br>2<br>2<br>9<br>1 | 0<br>2<br>2<br>9<br>2 |
| Pheochromocytoma Benign  | X                     |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       | 4                     |
| Pheochromocytoma Malignant   |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 3                     |
| Islets, Pancreatic<br>Adenoma  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48<br>2               |
| Parathyroid Gland  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Pituitary Gland<br>Leukemia Mononuclear<br>Pars Distalis, Adenoma                            | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48<br>1<br>31         |
| Thyroid Gland<br>C-cell, Carcinoma<br>Follicular Cell, Adenoma<br>Follicular Cell, Carcinoma | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48<br>1<br>1<br>2     |
| <b>GENERAL BODY SYSTEM</b>   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Tissue NOS   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| <b>GENITAL SYSTEM</b>  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Epididymis<br>Leukemia Mononuclear<br>Mesothelioma Malignant                                 | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48<br>2<br>2          |
| Preputial Gland<br>Adenoma<br>Carcinoma<br>Leukemia Mononuclear                              | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | M                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 47<br>3<br>3<br>1     |

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 Acrylamide  
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 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>0.0875 ACRYL | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID       |  |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------|--|
|  | 0<br>5<br>4<br>2 | 0<br>7<br>4<br>4 | 0<br>3<br>3<br>1 | 0<br>7<br>3<br>9 | 0<br>6<br>0<br>6 | 0<br>3<br>6<br>4 | 0<br>6<br>9<br>2 | 0<br>7<br>2<br>6 | 0<br>7<br>1<br>5 | 0<br>7<br>1<br>0 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>0<br>9 | 0<br>7<br>4<br>4 | 0<br>7<br>0<br>2 | 0<br>6<br>4<br>1 | 0<br>5<br>5<br>4 | 0<br>6<br>5<br>9 | 0<br>4<br>5<br>8 | 0<br>7<br>0<br>8 |                 |  |
|  | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0               |  |
|  | 1                | 1                | 1                | 1                | 1                | 1                | 1                | 1                | 1                | 1                | 1                | 1                | 1                | 1                | 1                | 2                | 2                | 2                | 2                | 2                | 2               |  |
|  | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0               |  |
|  | 8                | 9                | 9                | 0                | 0                | 6                | 6                | 6                | 6                | 6                | 6                | 6                | 7                | 7                | 0                | 6                | 6                | 7                | 8                | 8                | 9               |  |
|  | 2                | 1                | 2                | 1                | 2                | 1                | 2                | 1                | 2                | 1                | 2                | 1                | 2                | 1                | 2                | 1                | 2                | 1                | 2                | 1                | 2               |  |
|  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | <b>* TOTALS</b> |  |

|                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|
| Squamous Cell Carcinoma               | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |    |
| Prostate                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 48 |
| Histiocytic Sarcoma                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |    |
| Leukemia Mononuclear                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |    |
| Mesothelioma Malignant                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |    |
| Seminal Vesicle                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 48 |
| Leukemia Mononuclear                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |    |
| Mesothelioma Malignant                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |    |
| Testes                                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 48 |
| Leukemia Mononuclear                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |    |
| Mesothelioma Malignant                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |    |
| Bilateral, Interstitial Cell, Adenoma |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 19 |    |
| Interstitial Cell, Adenoma            | X | X |   | X | X |   | X | X | X | X | X | X | X | X |   | X | X |   | X | X | X  | 13 |

**HEMATOPOIETIC SYSTEM**

|                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|
| Bone Marrow                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 48 |
| Histiocytic Sarcoma                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |    |
| Leukemia Mononuclear                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4  |    |
| Lymph Node                          |   |   | + | + | + |   |   |   | + | + | + |   |   |   | + | + | + | + |   |   | +  | 17 |
| Axillary, Leukemia Mononuclear      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3  |    |
| Deep Cervical, Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |    |
| Lumbar, Histiocytic Sarcoma         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |    |
| Lumbar, Leukemia Mononuclear        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4  |    |
| Mediastinal, Histiocytic Sarcoma    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |    |
| Mediastinal, Leukemia Mononuclear   |   |   |   | X |   |   |   | X | X |   |   |   |   |   | X | X |   |   |   | X | 10 |    |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>0.0875 ACRYL                                | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |                                       |       |       |       |       |       |       |       |       | * TOTALS |       |      |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|------|
|   | 0542        | 0744  | 0331  | 0733  | 0630  | 0366  | 0642  | 0722  | 0711  | 0774  | 0744  | 0744                                  | 0779  | 0744  | 0744  | 0700  | 0644  | 0541  | 0654  | 0455  |          | 0708  | 0695 |
| ANIMAL ID   | 01082       | 01191 | 01111 | 01111 | 01111 | 01166 | 01166 | 01166 | 01166 | 01166 | 01166 | 01177                                 | 01177 | 01177 | 01177 | 01200 | 01200 | 01200 | 01200 | 01200 | 01200    | 01200 |      |
| Pancreatic, Leukemia Mononuclear  |             |       |       | X     | X     |       |       |       |       |       | X     |                                       |       |       |       |       |       |       |       |       | X        | 6     |      |
| Popliteal, Leukemia Mononuclear   |             |       |       | X     |       |       |       |       |       |       |       |                                       |       |       |       |       |       |       |       |       |          | 1     |      |
| Renal, Histiocytic Sarcoma  |             |       |       |       |       |       |       |       |       |       |       | X                                     |       |       |       |       |       |       |       |       |          | 1     |      |
| Renal, Leukemia Mononuclear   |             |       |       | X     |       |       |       |       |       | X     |       |                                       |       |       |       |       |       |       |       |       |          | 3     |      |
| Lymph Node, Mandibular  | +           | +     | +     | +     | +     | +     | +     | +     | +     | M     | +     | +                                     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 46    |      |
| Histiocytic Sarcoma   |             |       |       |       |       |       |       |       |       |       |       | X                                     |       |       |       |       |       |       |       |       |          | 1     |      |
| Leukemia Mononuclear  |             |       |       | X     | X     |       |       |       |       |       | X     |                                       |       | X     |       |       |       |       |       | X     | X        | 10    |      |
| Lymph Node, Mesenteric  | +           | +     | +     | M     | +     | +     | +     | +     | +     | +     | +     | +                                     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 47    |      |
| Leukemia Mononuclear  |             |       |       |       | X     |       |       |       |       |       | X     |                                       |       |       |       |       |       | X     |       |       |          | 6     |      |
| Spleen  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +                                     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 48    |      |
| Leukemia Mononuclear  |             |       |       | X     | X     |       | X     |       | X     | X     |       |                                       | X     |       |       | X     | X     | X     |       |       | X        | X     | 22   |
| Thymus  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +                                     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 47    |      |
| Leukemia Mononuclear  |             |       |       | X     |       |       |       |       |       |       | X     |                                       |       |       |       |       | X     |       |       |       |          | 5     |      |
| Lymphoma Malignant  |             |       |       |       |       |       |       |       |       |       |       |                                       |       |       |       |       |       |       |       |       |          | 1     |      |
| <b>INTEGUMENTARY SYSTEM</b>   |             |       |       |       |       |       |       |       |       |       |       |                                       |       |       |       |       |       |       |       |       |          |       |      |
| Mammary Gland   | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +                                     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 44    |      |
| Fibroadenoma  |             | X     |       |       |       |       |       |       |       |       | X     |                                       |       |       |       |       |       |       |       |       | X        | 5     |      |
| Leukemia Mononuclear  |             |       |       | X     |       |       |       |       |       |       |       |                                       |       |       |       |       |       |       |       |       |          | 1     |      |
| Skin  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +                                     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 48    |      |
| Keratoacanthoma   |             |       |       |       |       |       |       |       |       |       |       |                                       |       |       | X     |       |       |       |       |       |          | 1     |      |
| Squamous Cell Carcinoma   |             |       |       |       |       |       |       |       |       |       |       |                                       |       |       |       |       | X     |       |       |       |          | 1     |      |
| Ear, Neural Crest Tumor, Malignant  |             |       |       |       |       |       |       |       |       |       |       |                                       |       |       |       |       |       |       |       |       |          | 2     |      |
| Sebaceous Gland, Adenoma  |             |       |       |       |       |       |       |       |       |       | X     |                                       |       |       |       |       |       |       |       |       |          | 2     |      |
| * .. Total animals with tissue examined microscopically; Total animals with tumor |             |       |       |       |       |       |       |       |       |       |       | M .. Missing tissue                   |       |       |       |       |       |       |       |       |          |       |      |
| + .. Tissue examined microscopically  |             |       |       |       |       |       |       |       |       |       |       | A .. Autolysis precludes evaluation   |       |       |       |       |       |       |       |       |          |       |      |
| X .. Lesion present   |             |       |       |       |       |       |       |       |       |       |       | BLANK .. Not examined microscopically |       |       |       |       |       |       |       |       |          |       |      |
| I .. Insufficient tissue  |             |       |       |       |       |       |       |       |       |       |       |                                       |       |       |       |       |       |       |       |       |          |       |      |

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>0.0875 ACRYL | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |                  |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------|
|  | 0<br>5<br>4<br>2      | 0<br>7<br>4<br>4      | 0<br>3<br>3<br>1      | 0<br>7<br>3<br>9      | 0<br>6<br>0<br>6      | 0<br>3<br>6<br>0      | 0<br>6<br>4<br>9      | 0<br>7<br>2<br>6      | 0<br>7<br>1<br>5      | 0<br>7<br>1<br>0      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>0<br>9      | 0<br>7<br>4<br>4      | 0<br>7<br>0<br>2      | 0<br>6<br>4<br>4      | 0<br>5<br>5<br>1      | 0<br>6<br>5<br>4      | 0<br>4<br>5<br>9      | 0<br>7<br>0<br>8      |                       | 0<br>6<br>9<br>5 |
|  | 0<br>1<br>0<br>8<br>2 | 0<br>1<br>0<br>9<br>1 | 0<br>1<br>0<br>9<br>2 | 0<br>1<br>0<br>0<br>1 | 0<br>1<br>1<br>0<br>6 | 0<br>1<br>6<br>6<br>1 | 0<br>1<br>6<br>6<br>2 | 0<br>1<br>6<br>6<br>7 | 0<br>1<br>6<br>7<br>8 | 0<br>1<br>6<br>7<br>1 | 0<br>1<br>6<br>8<br>2 | 0<br>1<br>6<br>9<br>2 | 0<br>1<br>7<br>9<br>1 | 0<br>1<br>7<br>9<br>2 | 0<br>2<br>0<br>0<br>1 | 0<br>2<br>0<br>6<br>6 | 0<br>2<br>0<br>7<br>7 | 0<br>2<br>0<br>8<br>1 | 0<br>2<br>0<br>8<br>2 | 0<br>2<br>0<br>9<br>1 | 0<br>2<br>0<br>9<br>2 |                  |

|                                   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
|-----------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| Subcutaneous Tissue, Fibroma      | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 5 |
| Subcutaneous Tissue, Osteosarcoma |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |

**MUSCULOSKELETAL SYSTEM**

|                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Bone, Femur     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |

**NERVOUS SYSTEM**

|                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Brain, Brain Stem              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Brain, Cerebellum              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Osteosarcoma, Metastatic, Skin |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Brain, Cerebrum                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Peripheral Nerve, Sciatic      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Spinal Cord, Cervical          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Spinal Cord, Lumbar            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Spinal Cord, Thoracic          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |

**RESPIRATORY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>0.0875 ACRYL | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |      |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------|
|  | 0542        | 0744  | 0331  | 0739  | 0630  | 0366  | 0642  | 0726  | 0771  | 0771  | 0771  | 0771  | 0771  | 0771  | 0771  | 0771  | 0771  | 0771  | 0771  | 0771  |          | 0771 |
| ANIMAL ID  | 01082       | 01099 | 01112 | 01111 | 01111 | 01116 | 01116 | 01116 | 01116 | 01116 | 01116 | 01116 | 01116 | 01116 | 01116 | 01116 | 01116 | 01116 | 01116 | 01116 | 01116    |      |
| Lung   | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 48   |
| Histiocytic Sarcoma                                |             |       |       |       |       |       |       |       |       |       |       |       | X     |       |       |       |       |       |       |       |          | 1    |
| Leukemia Mononuclear                               |             |       |       | X     | X     |       | X     |       | X     | X     |       |       |       |       |       | X     |       | X     |       | X     | X        | 17   |
| Neural Crest Tumor, Malignant, Metastatic, Skin    |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 1    |
| Nose   | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 48   |
| Trachea  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 48   |
| <b>SPECIAL SENSES SYSTEM</b>                       |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |      |
| Ear  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 1    |
| Eye  | +           | +     | +     | +     | +     | +     | +     | +     | A     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 47   |
| Harderian Gland                                    | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 48   |
| Leukemia Mononuclear                               |             |       |       | X     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 1    |
| Zymbal's Gland                                     |             |       |       | +     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 2    |
| Adenoma  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 1    |
| Carcinoma  |             |       |       | X     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 1    |
| <b>URINARY SYSTEM</b>                              |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |      |
| Kidney   | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 48   |
| Leukemia Mononuclear                               |             |       |       | X     |       |       |       |       |       |       |       | X     |       |       |       |       |       |       |       |       |          | 3    |
| Urinary Bladder                                    | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 48   |
| Leukemia Mononuclear                               |             |       |       | X     |       |       |       |       |       |       | X     |       |       |       |       |       |       |       |       |       |          | 3    |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically



TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>0.0875 ACRYL | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID       |  |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|--|
|  | 5           | 7 | 3 | 7 | 6 | 3 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 5 | 6 | 4 | 7 | 6 |   |                 |  |
|  | 4           | 4 | 3 | 3 | 0 | 6 | 4 | 2 | 1 | 1 | 4 | 4 | 4 | 0 | 4 | 4 | 0 | 0 | 4 | 5 | 5 | 0 | 9 |                 |  |
|  | 2           | 4 | 1 | 9 | 6 | 0 | 9 | 6 | 5 | 0 | 4 | 4 | 4 | 9 | 4 | 4 | 2 | 4 | 1 | 4 | 9 | 8 | 5 |                 |  |
|  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                 |  |
|  | 1           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |                 |  |
|  | 0           | 0 | 0 | 1 | 1 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                 |  |
|  | 8           | 9 | 9 | 0 | 0 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 0 | 0 | 6 | 7 | 7 | 8 | 8 | 8 | 9 | 9 |                 |  |
|  | 2           | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 |                 |  |
|  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>* TOTALS</b> |  |

Mesothelioma Malignant

X

1

**SYSTEMIC LESIONS**

|                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |           |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|-----------|
| Multiple Organ         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  | <b>48</b> |
| Histiocytic Sarcoma    |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |  | <b>1</b>  |
| Leukemia Mononuclear   |   |   |   | X | X |   | X |   |   | X | X |   |   | X |   | X | X | X |   |   | X | X |  | <b>22</b> |
| Lymphoma Malignant     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  | <b>1</b>  |
| Mesothelioma Malignant |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |  | <b>2</b>  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>CONTROL WATER | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | ANIMAL ID | males<br>(cont...) |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------|--------------------|
|   | 0<br>3<br>9<br>3      | 0<br>6<br>9<br>6      | 0<br>7<br>4<br>4      | 0<br>7<br>2<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>6<br>5<br>2      | 0<br>7<br>2<br>3      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>4<br>4      | 0<br>7<br>4<br>6      | 0<br>6<br>2<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>7<br>0      | 0<br>7<br>1<br>7      | 0<br>7<br>4<br>4      | 0<br>4<br>0<br>3      | 0<br>7<br>4<br>4      | 0<br>6<br>9<br>8      | 0<br>7<br>4<br>4      | 0<br>5<br>4<br>0      | 0<br>5<br>6<br>4      | 0<br>6<br>6<br>3      |           |                    |
|   | 0<br>0<br>2<br>6<br>1 | 0<br>0<br>2<br>6<br>2 | 0<br>0<br>2<br>7<br>1 | 0<br>0<br>2<br>7<br>2 | 0<br>0<br>2<br>8<br>1 | 0<br>0<br>2<br>8<br>2 | 0<br>0<br>2<br>9<br>1 | 0<br>0<br>2<br>9<br>2 | 0<br>0<br>1<br>1<br>2 | 0<br>0<br>1<br>1<br>2 | 0<br>0<br>2<br>2<br>1 | 0<br>0<br>6<br>6<br>2 | 0<br>0<br>6<br>6<br>3 | 0<br>0<br>6<br>6<br>4 | 0<br>0<br>6<br>6<br>1 | 0<br>0<br>6<br>6<br>2 | 0<br>1<br>1<br>4<br>1 | 0<br>1<br>1<br>7<br>2 | 0<br>1<br>1<br>7<br>1 | 0<br>1<br>1<br>8<br>1 | 0<br>1<br>1<br>9<br>2 | 0<br>1<br>1<br>9<br>1 | 0<br>1<br>1<br>9<br>2 | 0<br>1<br>1<br>9<br>1 | 0<br>1<br>1<br>9<br>1 |           |                    |

**ALIMENTARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum<br>Mesothelioma Malignant                                  | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X | + | + |
| Intestine Large, Colon<br>Leukemia Mononuclear<br>Mesothelioma Malignant          | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum<br>Mesothelioma Malignant                               | A | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum<br>Mesothelioma Malignant                                  | A | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum<br>Mesothelioma Malignant                                | A | + | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + |
| Liver<br>Hepatocellular Adenoma<br>Leukemia Mononuclear<br>Mesothelioma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|   |   | X | X |   | X |   | X | X | X | X |   | X |   |   | X | X |   | X | X | X |   |   |   |   |   |   |
| Mesentery<br>Leukemia Mononuclear<br>Mesothelioma Malignant                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + | X |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>CONTROL WATER | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ANIMAL ID | males<br>(cont...) |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|
|   | 0393        | 0696 | 0774 | 0772 | 0774 | 0774 | 0774 | 0652 | 0773 | 0774 | 0774 | 0574 | 0774 | 0674 | 0774 | 0577 | 0771 | 0774 | 0404 | 0744 | 0694 | 0744 | 0554 | 0556 |           |                    |
|   | 0026        | 0022 | 0027 | 0027 | 0028 | 0028 | 0029 | 0021 | 0011 | 0012 | 0022 | 0006 | 0006 | 0006 | 0006 | 0006 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0019      |                    |

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pancreas<br>Leukemia Mononuclear        | A | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Salivary Glands<br>Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Stomach, Forestomach                    | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Stomach, Glandular                      | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Tongue<br>Squamous Cell Papilloma       |   |   |   |   |   |   |   |   |   |   |   |   | + |   |   |   |   |   |   |   |   |   |   | + | X |

**CARDIOVASCULAR SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Heart<br>Leukemia Mononuclear<br>Schwannoma Malignant | + | + | + | + | + | + | + | X | X | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X |

**ENDOCRINE SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex<br>Leukemia Mononuclear<br>Mesothelioma Malignant   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X |
| Adrenal Medulla<br>Leukemia Mononuclear<br>Pheochromocytoma Benign | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>CONTROL WATER | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |        | ANIMAL ID | males<br>(cont...) |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-----------|--------------------|
|   | 0393        | 0696 | 0774 | 0772 | 0774 | 0774 | 0774 | 0652 | 0773 | 0774 | 0774 | 0544 | 0774 | 0664 | 0774 | 0570 | 0774 | 0473 | 0774 | 0668 | 0774 | 0554 | 0556 | 0663 |        |           |                    |
|   | 0061        | 0022 | 0071 | 0072 | 0081 | 0082 | 0092 | 0011 | 0012 | 0021 | 0022 | 0033 | 0044 | 0066 | 0064 | 0071 | 0072 | 0081 | 0082 | 0092 | 0111 | 0112 | 0119 | 0111 | 000261 |           |                    |

Bilateral, Pheochromocytoma Benign

X X

Islets, Pancreatic  
 Adenoma  
 Leukemia Mononuclear

A + + + + + + + + + + A + + + + + + + + + + + + + +  
 X

Parathyroid Gland

+ + M +

Pituitary Gland  
 Pars Distalis, Adenoma

+  
 X

Thyroid Gland  
 C-cell, Adenoma  
 Follicular Cell, Carcinoma

A +

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Epididymis  
 Mesothelioma Malignant

+  
 X X

Penis

Preputial Gland  
 Carcinoma  
 Leukemia Mononuclear  
 Squamous Cell Carcinoma

+ + + X + + + + + + + + + + + + + + + + X X + + + + +  
 X

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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TDMS No. 20313 - 05  
 Test Type: CHRONIC  
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 Species/Strain: RATS/F 344/NCTR

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 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>CONTROL WATER | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | ANIMAL ID | males<br>(cont...) |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------|--------------------|
|   | 0<br>3<br>9<br>3      | 0<br>6<br>9<br>6      | 0<br>7<br>4<br>4      | 0<br>7<br>2<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>6<br>5<br>2      | 0<br>7<br>2<br>3      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>4<br>6      | 0<br>7<br>4<br>4      | 0<br>6<br>2<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>7<br>0      | 0<br>7<br>1<br>7      | 0<br>7<br>4<br>4      | 0<br>4<br>0<br>3      | 0<br>7<br>4<br>4      | 0<br>6<br>9<br>8      | 0<br>7<br>4<br>4      | 0<br>5<br>4<br>0      | 0<br>5<br>6<br>4      | 0<br>6<br>6<br>3      |           |                    |
|   | 0<br>0<br>2<br>6<br>1 | 0<br>0<br>2<br>6<br>2 | 0<br>0<br>2<br>7<br>1 | 0<br>0<br>2<br>7<br>2 | 0<br>0<br>2<br>8<br>1 | 0<br>0<br>2<br>8<br>2 | 0<br>0<br>2<br>8<br>1 | 0<br>0<br>2<br>9<br>2 | 0<br>0<br>2<br>9<br>1 | 0<br>0<br>2<br>1<br>2 | 0<br>0<br>2<br>1<br>2 | 0<br>0<br>2<br>2<br>1 | 0<br>0<br>2<br>2<br>2 | 0<br>0<br>2<br>3<br>3 | 0<br>0<br>2<br>4<br>4 | 0<br>0<br>2<br>4<br>6 | 0<br>0<br>2<br>6<br>1 | 0<br>0<br>2<br>6<br>2 | 0<br>0<br>2<br>7<br>1 | 0<br>0<br>2<br>7<br>7 | 0<br>0<br>2<br>8<br>8 | 0<br>0<br>2<br>8<br>8 | 0<br>0<br>2<br>9<br>9 | 0<br>0<br>2<br>9<br>9 | 0<br>0<br>2<br>9<br>1 |           |                    |

Squamous Cell Papilloma

Prostate + M + +

Leukemia Mononuclear

Seminal Vesicle +

Mesothelioma Malignant

Testes +

Mesothelioma Malignant

Bilateral, Interstitial Cell, Adenoma

Interstitial Cell, Adenoma

**HEMATOPOIETIC SYSTEM**

Bone Marrow + + + + + + + + + + + + + + + A + + + + + + + +

Leukemia Mononuclear

Lymph Node +

Axillary, Leukemia Mononuclear

Deep Cervical, Leukemia Mononuclear

Inguinal, Leukemia Mononuclear

Lumbar, Leukemia Mononuclear

Mediastinal, Leukemia Mononuclear

Pancreatic, Leukemia Mononuclear

Popliteal, Leukemia Mononuclear

Renal, Leukemia Mononuclear

Lymph Node, Mandibular +

Leukemia Mononuclear

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
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 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>CONTROL WATER   | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ANIMAL ID | males<br>(cont...) |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|
|   | 0393        | 0696 | 0774 | 0772 | 0774 | 0774 | 0774 | 0652 | 0723 | 0774 | 0774 | 0574 | 0774 | 0674 | 0774 | 0574 | 0771 | 0774 | 0404 | 0774 | 0694 | 0774 | 0554 | 0556 | 0663 |           |                    |
| Lymph Node, Mesenteric<br>Leukemia Mononuclear<br>Mesothelioma Malignant  | +           | +    | +    | +    | +    | +    | +    | +    | +    | X    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |           |                    |
| Spleen<br>Leukemia Mononuclear<br>Mesothelioma Malignant<br>Sarcoma   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |           |                    |
| Thymus<br>Leukemia Mononuclear  | +           | +    | +    | +    | +    | +    | +    | +    | +    | M    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | M    | +    | +    | +    |           |                    |
| <b>INTEGUMENTARY SYSTEM</b>   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                    |
| Mammary Gland<br>Fibroadenoma<br>Leukemia Mononuclear   | +           | +    | M    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | M    | +         |                    |
| Skin<br>Keratoacanthoma<br>Ear, Neural Crest Tumor, Benign<br>Sebaceous Gland, Adenoma<br>Subcutaneous Tissue, Fibroma<br>Subcutaneous Tissue, Lipoma | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         |                    |
| <b>MUSCULOSKELETAL SYSTEM</b>   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                    |
| Bone  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | +         |                    |
| Bone, Femur   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         |                    |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
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 Acrylamide  
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 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>CONTROL WATER | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | ANIMAL ID             | males<br>(cont...) |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------------------|
|   | 0<br>3<br>9<br>3      | 0<br>6<br>9<br>6      | 0<br>7<br>4<br>4      | 0<br>7<br>2<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>6<br>5<br>2      | 0<br>7<br>2<br>3      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>6<br>2<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>7<br>0      | 0<br>7<br>1<br>7      | 0<br>7<br>4<br>4      | 0<br>4<br>0<br>3      | 0<br>7<br>4<br>4      | 0<br>6<br>9<br>8      | 0<br>7<br>4<br>4      | 0<br>5<br>4<br>0      | 0<br>5<br>6<br>4      | 0<br>6<br>6<br>3      |                       |                    |
|   | 0<br>0<br>2<br>6<br>1 | 0<br>0<br>2<br>6<br>2 | 0<br>0<br>2<br>7<br>1 | 0<br>0<br>2<br>7<br>2 | 0<br>0<br>2<br>8<br>1 | 0<br>0<br>2<br>8<br>2 | 0<br>0<br>2<br>9<br>1 | 0<br>0<br>2<br>9<br>2 | 0<br>0<br>1<br>1<br>2 | 0<br>0<br>1<br>1<br>2 | 0<br>0<br>2<br>2<br>1 | 0<br>0<br>6<br>6<br>2 | 0<br>0<br>6<br>6<br>3 | 0<br>0<br>6<br>6<br>4 | 0<br>0<br>6<br>6<br>1 | 0<br>0<br>6<br>4<br>2 | 0<br>0<br>6<br>4<br>1 | 0<br>0<br>6<br>6<br>7 | 0<br>0<br>6<br>7<br>1 | 0<br>0<br>6<br>7<br>2 | 0<br>0<br>8<br>8<br>1 | 0<br>0<br>8<br>8<br>2 | 0<br>0<br>9<br>9<br>1 | 0<br>0<br>9<br>9<br>2 | 0<br>0<br>1<br>1<br>1 | 0<br>0<br>1<br>1<br>2 |                    |

Skeletal Muscle  
 Mesothelioma Malignant

+  
 X

**NERVOUS SYSTEM**

Brain, Brain Stem  
 Astrocytoma Nos  
 Leukemia Mononuclear

+ + + + + + + + + + X + + + + + + + + + + + + + + + + +  
 X X

Brain, Cerebellum  
 Leukemia Mononuclear

+ + + + + + + + + + X + + + + + + + + + + + + + + + + +

Brain, Cerebrum  
 Leukemia Mononuclear

+ X + + + + + + + +

Peripheral Nerve, Sciatic

+ +

Spinal Cord, Cervical  
 Leukemia Mononuclear

A + + + + + + + + + + X + + + + + + + + + + + + + + + + +

Spinal Cord, Lumbar  
 Leukemia Mononuclear

A + + + + + + + + + + X + + + + + + + + + + + + + + + + +

Spinal Cord, Thoracic  
 Leukemia Mononuclear

A + + + + + + + + + + X + + + + + + + + + + + + + + + + +

**RESPIRATORY SYSTEM**

Lung  
 Alveolar/Bronchiolar Adenoma

+ +

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>CONTROL WATER | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ANIMAL ID | males<br>(cont...) |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|
|   | 0393        | 0696 | 0774 | 0772 | 0774 | 0774 | 0774 | 0652 | 0773 | 0774 | 0774 | 0574 | 0774 | 0674 | 0774 | 0577 | 0771 | 0774 | 0404 | 0749 | 0674 | 0754 | 0556 | 0566 | 0663 |           |                    |
|   | 0061        | 0002 | 0007 | 0007 | 0008 | 0009 | 0011 | 0012 | 0011 | 0012 | 0022 | 0033 | 0044 | 0055 | 0066 | 0077 | 0088 | 0099 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0001      |                    |

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Carcinoma, Metastatic, Preputial Gland |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Leukemia Mononuclear                   | X | X |   | X |   |   |   | X | X |   |   |   |   | X | X |   |   | X | X |   |   |   |   |   |   |   |
| Nose                                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Trachea                                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

**SPECIAL SENSES SYSTEM**

|                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye                     | A | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lacrimal Gland          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Zymbal's Gland          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Squamous Cell Carcinoma |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**URINARY SYSTEM**

|                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney                             | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mesothelioma Malignant             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |
| Transitional Epithelium, Carcinoma |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |
| Urinary Bladder                    | A | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Mesothelioma Malignant             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |

**SYSTEMIC LESIONS**

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically



TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

|                                    |               | DAY ON TEST |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | males<br>(cont...) |     |
|------------------------------------|---------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------|-----|
| FISCHER 344 RATS-NCTR RATS<br>MALE | ANIMAL ID     | 033         | 066 | 077 | 077 | 077 | 077 | 077 | 066 | 077 | 077 | 077 | 055 | 077 | 066 | 077 | 055 | 077 | 077 | 044 | 077 | 066 | 077 | 055 | 055 |                    | 066 |
|                                    | CONTROL WATER | 093         | 066 | 044 | 022 | 044 | 044 | 044 | 052 | 023 | 044 | 044 | 044 | 026 | 044 | 044 | 070 | 077 | 044 | 003 | 044 | 088 | 044 | 000 | 044 | 066                |     |
|                                    |               | 002         | 002 | 002 | 002 | 002 | 002 | 002 | 006 | 006 | 006 | 006 | 006 | 006 | 006 | 006 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 009                |     |
|                                    |               | 061         | 062 | 071 | 072 | 081 | 082 | 091 | 092 | 111 | 112 | 121 | 122 | 131 | 132 | 141 | 142 | 161 | 162 | 171 | 172 | 181 | 182 | 191 | 192 |                    |     |
|                                    |               |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |     |
| Multiple Organ                     |               | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   |                    |     |
| Leukemia Mononuclear               |               |             | X   | X   |     | X   | X   |     | X   | X   | X   | X   |     | X   |     | X   | X   | X   | X   | X   | X   | X   | X   |     | X   |                    |     |
| Mesothelioma Malignant             |               |             |     |     |     |     |     |     |     | X   |     |     |     |     |     |     |     |     |     |     |     |     | X   |     |     |                    |     |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

|  |                      | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                 |  |
|--|----------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------|--|
|  |                      | 0744        | 0594  | 0492  | 0649  | 0671  | 0771  | 0544  | 0774  | 0774  | 0523  | 0669  | 0668  | 0744  | 0744  | 0559  | 0558  | 0674  | 0774  | 0660  | 0562            |  |
| <b>FISCHER 344 RATS-NCTR RATS MALE</b> | <b>CONTROL WATER</b> | 01911       | 01199 | 01199 | 01199 | 01199 | 01199 | 02266 | 02266 | 02277 | 02288 | 02299 | 02299 | 02299 | 02333 | 02333 | 02366 | 02377 | 02388 | 02388 | <b>* TOTALS</b> |  |
|  | ANIMAL ID            | 1221        | 1199  | 1199  | 1199  | 1199  | 1199  | 2266  | 2266  | 2277  | 2288  | 2299  | 2299  | 2299  | 3333  | 3333  | 6661  | 7771  | 8881  | 8882  |                 |  |

**ALIMENTARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Esophagus   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>48</b>                                      |
| Intestine Large, Cecum<br>Mesothelioma Malignant                                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | A | + | + | + | + | + | + | <b>45</b><br><b>1</b>                          |
| Intestine Large, Colon<br>Leukemia Mononuclear<br>Mesothelioma Malignant          | + | + | + | + | + | + | + | + | + | + | X | + | + | + | A | A | + | + | + | + | + | + | <b>45</b><br><b>1</b><br><b>1</b>              |
| Intestine Large, Rectum   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | <b>47</b>                                      |
| Intestine Small, Duodenum<br>Mesothelioma Malignant                               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | <b>45</b><br><b>1</b>                          |
| Intestine Small, Ileum<br>Mesothelioma Malignant                                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | A | + | + | + | + | + | <b>44</b><br><b>1</b>                          |
| Intestine Small, Jejunum<br>Mesothelioma Malignant                                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | A | + | + | + | + | + | <b>43</b><br><b>1</b>                          |
| Liver<br>Hepatocellular Adenoma<br>Leukemia Mononuclear<br>Mesothelioma Malignant | + | + | + | + | + | + | X | + | + | + | + | + | + | + | + | + | + | + | X | + | + | + | <b>48</b><br><b>2</b><br><b>23</b><br><b>1</b> |
| Mesentery<br>Leukemia Mononuclear<br>Mesothelioma Malignant                       |   |   |   |   |   |   | + | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>2</b><br><b>1</b><br><b>1</b>               |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>CONTROL WATER | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |                       |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|   | 0<br>7<br>4<br>4      | 0<br>5<br>9<br>4      | 0<br>4<br>9<br>2      | 0<br>6<br>4<br>9      | 0<br>6<br>7<br>1      | 0<br>7<br>1<br>4      | 0<br>7<br>0<br>4      | 0<br>5<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>2<br>3      | 0<br>6<br>9<br>8      | 0<br>6<br>9<br>0      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>5<br>9      | 0<br>5<br>4<br>8      | 0<br>6<br>7<br>4      | 0<br>7<br>4<br>5      | 0<br>6<br>0<br>2      |                       | 0<br>5<br>2<br>6      |
| ANIMAL ID   | 0<br>1<br>9<br>1<br>2 | 0<br>1<br>9<br>1<br>2 | 0<br>1<br>9<br>2<br>1 | 0<br>1<br>9<br>3<br>1 | 0<br>1<br>9<br>3<br>4 | 0<br>1<br>9<br>4<br>1 | 0<br>2<br>9<br>4<br>2 | 0<br>2<br>2<br>6<br>1 | 0<br>2<br>2<br>6<br>7 | 0<br>2<br>2<br>7<br>1 | 0<br>2<br>2<br>7<br>2 | 0<br>2<br>2<br>8<br>1 | 0<br>2<br>2<br>8<br>2 | 0<br>2<br>2<br>9<br>1 | 0<br>2<br>3<br>5<br>1 | 0<br>2<br>3<br>5<br>2 | 0<br>2<br>3<br>6<br>1 | 0<br>2<br>3<br>6<br>2 | 0<br>2<br>3<br>7<br>1 | 0<br>2<br>3<br>7<br>2 | 0<br>2<br>3<br>8<br>1 | 0<br>2<br>3<br>8<br>2 |
| Pancreas  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 46                    |
| Leukemia Mononuclear                                |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       | X                     |                       |                       |                       |                       | 2                     |
| Salivary Glands                                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Leukemia Mononuclear                                |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Stomach, Forestomach                                | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 47                    |
| Stomach, Glandular                                  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 47                    |
| Tongue  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 3                     |
| Squamous Cell Papilloma                             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| <b>CARDIOVASCULAR SYSTEM</b>                        |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Blood Vessel  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Heart   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Leukemia Mononuclear                                |                       | X                     |                       | X                     |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       | X                     |                       | 7                     |
| Schwannoma Malignant                                |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| <b>ENDOCRINE SYSTEM</b>                             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Adrenal Cortex                                      | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Leukemia Mononuclear                                |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Mesothelioma Malignant                              |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Adrenal Medulla                                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Leukemia Mononuclear                                |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     |
| Pheochromocytoma Benign                             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       | X                     |                       | X                     |                       |                       | 6                     |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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TDMS No. 20313 - 05  
 Test Type: CHRONIC  
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 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
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 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>CONTROL WATER | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | ANIMAL ID             |                       |                  |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------|
|   | 0<br>7<br>4<br>4      | 0<br>5<br>9<br>4      | 0<br>4<br>9<br>2      | 0<br>6<br>4<br>9      | 0<br>6<br>7<br>1      | 0<br>7<br>1<br>4      | 0<br>7<br>0<br>4      | 0<br>5<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>2<br>3      | 0<br>6<br>9<br>8      | 0<br>6<br>9<br>0      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>5<br>9      | 0<br>5<br>4<br>8      | 0<br>6<br>7<br>4      | 0<br>7<br>4<br>5      | 0<br>6<br>2<br>0      |                       |                       | 0<br>5<br>6<br>2 |
|   | 0<br>1<br>9<br>1<br>2 | 0<br>1<br>9<br>2<br>1 | 0<br>1<br>9<br>2<br>1 | 0<br>1<br>9<br>3<br>1 | 0<br>1<br>9<br>3<br>2 | 0<br>1<br>9<br>4<br>1 | 0<br>1<br>9<br>4<br>2 | 0<br>2<br>6<br>6<br>1 | 0<br>2<br>2<br>6<br>2 | 0<br>2<br>2<br>7<br>1 | 0<br>2<br>2<br>7<br>2 | 0<br>2<br>2<br>8<br>1 | 0<br>2<br>2<br>8<br>2 | 0<br>2<br>2<br>9<br>1 | 0<br>2<br>3<br>5<br>2 | 0<br>2<br>3<br>5<br>2 | 0<br>2<br>3<br>6<br>1 | 0<br>2<br>3<br>6<br>2 | 0<br>2<br>3<br>7<br>1 | 0<br>2<br>3<br>7<br>2 | 0<br>2<br>3<br>8<br>1 | 0<br>2<br>3<br>8<br>2 |                  |
|   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | <b>* TOTALS</b>       |                  |

Bilateral, Pheochromocytoma Benign 2

Islets, Pancreatic 46  
 Adenoma 1  
 Leukemia Mononuclear 1

Parathyroid Gland 46

Pituitary Gland 48  
 Pars Distalis, Adenoma 21

Thyroid Gland 47  
 C-cell, Adenoma 2  
 Follicular Cell, Carcinoma 1

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Epididymis 48  
 Mesothelioma Malignant 2

Penis 1

Preputial Gland 48  
 Carcinoma 7  
 Leukemia Mononuclear 1  
 Squamous Cell Carcinoma 4

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>CONTROL WATER | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID | * TOTALS |                  |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------|------------------|
|   | 0<br>7<br>4<br>4 | 0<br>5<br>9<br>4 | 0<br>4<br>9<br>2 | 0<br>6<br>4<br>9 | 0<br>6<br>7<br>1 | 0<br>7<br>1<br>4 | 0<br>7<br>0<br>4 | 0<br>5<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>5<br>2<br>3 | 0<br>6<br>9<br>8 | 0<br>6<br>9<br>0 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>5<br>5<br>9 | 0<br>5<br>4<br>8 | 0<br>6<br>7<br>4 | 0<br>7<br>4<br>5 | 0<br>6<br>2<br>0 |           |          | 0<br>5<br>6<br>2 |
| Squamous Cell Papilloma                             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           | X        | 1                |
| Prostate  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +        | 47               |
| Leukemia Mononuclear                                |                  |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  |           |          | 2                |
| Seminal Vesicle                                     | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +        | 48               |
| Mesothelioma Malignant                              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |          | 1                |
| Testes  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +        | 48               |
| Mesothelioma Malignant                              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |          | 1                |
| Bilateral, Interstitial Cell, Adenoma               | X                | X                |                  | X                |                  | X                | X                |                  | X                | X                |                  | X                | X                | X                |                  |                  |                  |                  | X                | X                |           |          | 23               |
| Interstitial Cell, Adenoma                          |                  |                  | X                |                  |                  |                  |                  | X                |                  |                  |                  |                  |                  | X                | X                | X                | X                |                  |                  |                  | X         |          | 13               |
| <b>HEMATOPOIETIC SYSTEM</b>                         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |          |                  |
| Bone Marrow   | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +        | 47               |
| Leukemia Mononuclear                                |                  |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  |           |          | 5                |
| Lymph Node  |                  |                  |                  | +                |                  |                  | +                | +                |                  |                  |                  | +                | +                | +                |                  |                  | +                | +                |                  | +                | +         |          | 19               |
| Axillary, Leukemia Mononuclear                      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  |           |          | 1                |
| Deep Cervical, Leukemia Mononuclear                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  |           |          | 1                |
| Inguinal, Leukemia Mononuclear                      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  |           |          | 1                |
| Lumbar, Leukemia Mononuclear                        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | X                | X                |                  |                  |                  |                  |                  |                  |                  | X         |          | 6                |
| Mediastinal, Leukemia Mononuclear                   |                  |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  | X                |                  |                  | X                |                  |                  |                  |                  |                  | X         |          | 6                |
| Pancreatic, Leukemia Mononuclear                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | X                | X                |                  |                  |                  | X                |                  |                  |                  | X         |          | 7                |
| Popliteal, Leukemia Mononuclear                     |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  |           |          | 1                |
| Renal, Leukemia Mononuclear                         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | X                | X                |                  |                  |                  |                  |                  |                  |                  | X         |          | 6                |
| Lymph Node, Mandibular                              | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +        | 48               |
| Leukemia Mononuclear                                |                  |                  |                  | X                |                  |                  | X                |                  |                  |                  | X                |                  |                  |                  |                  | X                |                  |                  |                  | X                |           |          | 12               |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>CONTROL WATER | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |                       |    |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----|
|   | 0<br>7<br>4<br>4      | 0<br>5<br>9<br>4      | 0<br>4<br>9<br>2      | 0<br>6<br>4<br>9      | 0<br>6<br>7<br>1      | 0<br>7<br>1<br>4      | 0<br>7<br>0<br>4      | 0<br>5<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>2<br>3      | 0<br>6<br>9<br>8      | 0<br>6<br>9<br>0      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>5<br>9      | 0<br>5<br>4<br>8      | 0<br>6<br>7<br>4      | 0<br>7<br>4<br>5      | 0<br>6<br>0<br>2      |                       | 0<br>5<br>6<br>2      |    |
| ANIMAL ID   | 0<br>1<br>9<br>1<br>2 | 0<br>1<br>9<br>2<br>1 | 0<br>1<br>9<br>2<br>1 | 0<br>1<br>9<br>3<br>1 | 0<br>1<br>9<br>3<br>2 | 0<br>1<br>9<br>4<br>1 | 0<br>1<br>9<br>4<br>2 | 0<br>2<br>2<br>6<br>1 | 0<br>2<br>2<br>6<br>2 | 0<br>2<br>2<br>7<br>1 | 0<br>2<br>2<br>7<br>2 | 0<br>2<br>2<br>8<br>1 | 0<br>2<br>2<br>8<br>2 | 0<br>2<br>2<br>9<br>1 | 0<br>2<br>2<br>9<br>2 | 0<br>2<br>2<br>5<br>2 | 0<br>2<br>2<br>6<br>1 | 0<br>2<br>2<br>6<br>2 | 0<br>2<br>2<br>7<br>1 | 0<br>2<br>2<br>7<br>2 | 0<br>2<br>2<br>8<br>1 | 0<br>2<br>2<br>8<br>2 |    |
| Lymph Node, Mesenteric                              | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | M                     | +                     | +                     | +                     | +                     | +                     | 47 |
| Leukemia Mononuclear                                |                       | X                     |                       | X                     |                       | X                     |                       |                       |                       |                       | X                     |                       |                       |                       |                       | X                     |                       |                       |                       |                       | X                     |                       | 8  |
| Mesothelioma Malignant                              |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1  |
| Spleen  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48 |
| Leukemia Mononuclear                                |                       | X                     |                       | X                     |                       | X                     | X                     |                       | X                     | X                     |                       | X                     | X                     | X                     |                       | X                     |                       | X                     |                       |                       | X                     |                       | 31 |
| Mesothelioma Malignant                              |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1  |
| Sarcoma   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1  |
| Thymus  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | M                     | +                     | +                     | +                     | +                     | +                     | 45 |
| Leukemia Mononuclear                                |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       | 3  |
| <b>INTEGUMENTARY SYSTEM</b>                         |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |    |
| Mammary Gland                                       | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | M                     | M                     | +                     | +                     | +                     | +                     | 44 |
| Fibroadenoma  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2  |
| Leukemia Mononuclear                                |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1  |
| Skin  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48 |
| Keratoacanthoma                                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       | 1  |
| Ear, Neural Crest Tumor, Benign                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       | 1  |
| Sebaceous Gland, Adenoma                            |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1  |
| Subcutaneous Tissue, Fibroma                        |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     | X                     |                       |                       | 3  |
| Subcutaneous Tissue, Lipoma                         |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1  |
| <b>MUSCULOSKELETAL SYSTEM</b>                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |    |
| Bone  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1  |
| Bone, Femur   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48 |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>CONTROL WATER          | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |                       |                  |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------|
|  | 0<br>7<br>4<br>4      | 0<br>5<br>9<br>4      | 0<br>4<br>9<br>2      | 0<br>6<br>4<br>9      | 0<br>6<br>7<br>1      | 0<br>7<br>1<br>4      | 0<br>7<br>0<br>4      | 0<br>5<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>2<br>3      | 0<br>6<br>9<br>8      | 0<br>6<br>9<br>0      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>5<br>9      | 0<br>5<br>4<br>8      | 0<br>6<br>7<br>4      | 0<br>7<br>4<br>4      | 0<br>6<br>0<br>5      |                       | 0<br>5<br>2<br>0      | 0<br>5<br>6<br>2 |
| ANIMAL ID  | 0<br>1<br>9<br>1<br>2 | 0<br>1<br>9<br>2<br>1 | 0<br>1<br>9<br>2<br>1 | 0<br>1<br>9<br>3<br>1 | 0<br>1<br>9<br>3<br>4 | 0<br>1<br>9<br>4<br>1 | 0<br>2<br>9<br>4<br>2 | 0<br>2<br>2<br>6<br>1 | 0<br>2<br>2<br>6<br>7 | 0<br>2<br>2<br>7<br>1 | 0<br>2<br>2<br>7<br>2 | 0<br>2<br>2<br>8<br>1 | 0<br>2<br>2<br>8<br>2 | 0<br>2<br>2<br>9<br>1 | 0<br>2<br>3<br>5<br>1 | 0<br>2<br>3<br>5<br>2 | 0<br>2<br>3<br>6<br>1 | 0<br>2<br>3<br>6<br>2 | 0<br>2<br>3<br>7<br>1 | 0<br>2<br>3<br>7<br>2 | 0<br>2<br>3<br>8<br>1 | 0<br>2<br>3<br>8<br>2 |                  |
| Skeletal Muscle<br>Mesothelioma Malignant                    | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48<br>1          |
| <b>NERVOUS SYSTEM</b>  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                  |
| Brain, Brain Stem<br>Astrocytoma Nos<br>Leukemia Mononuclear | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48<br>1<br>2     |
| Brain, Cerebellum<br>Leukemia Mononuclear                    | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48<br>2          |
| Brain, Cerebrum<br>Leukemia Mononuclear                      | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48<br>1          |
| Peripheral Nerve, Sciatic                                    | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48               |
| Spinal Cord, Cervical<br>Leukemia Mononuclear                | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 47<br>1          |
| Spinal Cord, Lumbar<br>Leukemia Mononuclear                  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 47<br>2          |
| Spinal Cord, Thoracic<br>Leukemia Mononuclear                | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 47<br>1          |
| <b>RESPIRATORY SYSTEM</b>                                    |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                  |
| Lung<br>Alveolar/Bronchiolar Adenoma                         | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48<br>1          |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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M .. Missing tissue  
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TDMS No. 20313 - 05  
 Test Type: CHRONIC  
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 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>MALE<br>CONTROL WATER | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |                       |                       |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|   | 0<br>7<br>4<br>4      | 0<br>5<br>9<br>4      | 0<br>4<br>9<br>2      | 0<br>6<br>4<br>9      | 0<br>6<br>7<br>1      | 0<br>7<br>1<br>4      | 0<br>7<br>0<br>4      | 0<br>5<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>2<br>3      | 0<br>6<br>9<br>0      | 0<br>6<br>9<br>8      | 0<br>6<br>6<br>0      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>5<br>9      | 0<br>5<br>4<br>8      | 0<br>6<br>7<br>4      | 0<br>7<br>4<br>5      |                       | 0<br>6<br>2<br>0      | 0<br>5<br>6<br>2      |
| ANIMAL ID   | 0<br>1<br>9<br>1<br>2 | 0<br>1<br>9<br>1<br>2 | 0<br>1<br>9<br>1<br>2 | 0<br>1<br>9<br>1<br>2 | 0<br>1<br>9<br>1<br>2 | 0<br>1<br>9<br>1<br>2 | 0<br>2<br>9<br>4<br>1 | 0<br>2<br>9<br>6<br>2 | 0<br>2<br>9<br>7<br>1 | 0<br>2<br>9<br>8<br>2 | 0<br>2<br>9<br>8<br>1 | 0<br>2<br>9<br>8<br>2 | 0<br>2<br>9<br>8<br>1 | 0<br>2<br>9<br>8<br>2 | 0<br>2<br>9<br>8<br>1 | 0<br>2<br>9<br>5<br>2 | 0<br>2<br>9<br>5<br>6 | 0<br>2<br>9<br>6<br>1 | 0<br>2<br>9<br>6<br>7 | 0<br>2<br>9<br>7<br>1 | 0<br>2<br>9<br>7<br>2 | 0<br>2<br>9<br>8<br>1 | 0<br>2<br>9<br>8<br>2 |
| Carcinoma, Metastatic, Preputial Gland              |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Leukemia Mononuclear                                |                       | X                     |                       | X                     |                       |                       | X                     |                       |                       |                       |                       | X                     | X                     |                       |                       | X                     |                       |                       |                       | X                     |                       |                       | 16                    |
| Nose  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Leukemia Mononuclear                                |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Trachea   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| <b>SPECIAL SENSES SYSTEM</b>                        |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Eye   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | A                     | A                     | +                     | +                     | +                     | +                     | +                     | 44                    |
| Harderian Gland                                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Lacrimal Gland                                      |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | +                     | 1                     |
| Zymbal's Gland                                      |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Squamous Cell Carcinoma                             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| <b>URINARY SYSTEM</b>                               |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Kidney  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 47                    |
| Leukemia Mononuclear                                |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       | X                     |                       |                       |                       | X                     |                       | 3                     |
| Mesothelioma Malignant                              |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Transitional Epithelium, Carcinoma                  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Urinary Bladder                                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 46                    |
| Mesothelioma Malignant                              |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| <b>SYSTEMIC LESIONS</b>                             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically





TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.70 ACRYL | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | ANIMAL ID             | females<br>(cont...) |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|
|  | 0<br>7<br>2<br>4      | 0<br>2<br>9<br>2      | 0<br>4<br>3<br>1      | 0<br>7<br>4<br>4      | 0<br>6<br>1<br>2      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      |                       |                      |
|  | 0<br>0<br>2<br>1<br>1 | 0<br>0<br>2<br>1<br>2 | 0<br>0<br>2<br>2<br>1 | 0<br>0<br>2<br>2<br>2 | 0<br>0<br>2<br>3<br>1 | 0<br>0<br>2<br>2<br>2 | 0<br>0<br>2<br>3<br>4 | 0<br>0<br>2<br>2<br>1 | 0<br>0<br>2<br>2<br>2 | 0<br>0<br>2<br>2<br>4 | 0<br>0<br>2<br>2<br>5 | 0<br>0<br>2<br>2<br>5 | 0<br>0<br>2<br>2<br>1 | 0<br>0<br>2<br>2<br>2 | 0<br>0<br>2<br>2<br>2 | 0<br>0<br>2<br>2<br>3 | 0<br>0<br>2<br>2<br>3 | 0<br>0<br>2<br>2<br>4 | 0<br>0<br>2<br>2<br>4 | 0<br>0<br>2<br>2<br>5 | 0<br>0<br>2<br>2<br>5 | 0<br>0<br>2<br>2<br>6 | 0<br>0<br>2<br>2<br>7 | 0<br>0<br>2<br>2<br>7 | 0<br>0<br>2<br>2<br>8 |                      |

**ALIMENTARY SYSTEM**

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + |
| Intestine Large, Colon    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + |
| Intestine Small, Ileum    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + |
| Intestine Small, Jejunum  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + |
| Liver                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hepatocellular Adenoma    |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Histiocytic Sarcoma       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |
| Leukemia Mononuclear      |   |   | X |   |   | X |   |   |   |   | X |   |   |   |   |   |   |   | X | X | X | X |   |   |   |
| Lymphoma Malignant        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mesentery                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Leukemia Mononuclear      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |   |   |   |   | + |
| Oral Mucosa               |   |   |   |   |   |   |   |   |   | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Squamous Cell Carcinoma   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |
| Squamous Cell Papilloma   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Pancreas                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.70 ACRYL | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | ANIMAL ID | females<br>(cont...) |  |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|--|
|  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |           |                      |  |
|  | 7           | 2 | 4 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 4 | 3 | 6 | 7 | 7 | 7 | 7 | 5 | 6 | 5 | 7 | 6 | 6 | 4 | 7         | 0                    |  |
|  | 2           | 9 | 3 | 4 | 1 | 4 | 4 | 4 | 4 | 4 | 3 | 5 | 9 | 2 | 4 | 3 | 4 | 7 | 7 | 5 | 3 | 2 | 0 | 8 | 2         | 0                    |  |
|  | 4           | 2 | 1 | 4 | 2 | 4 | 4 | 4 | 4 | 4 | 6 | 9 | 3 | 9 | 3 | 0 | 4 | 0 | 3 | 4 | 7 | 5 | 6 | 1 | 6         | 0                    |  |
|  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0         | 0                    |  |
|  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0         | 0                    |  |
|  | 2           | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 3 | 3 | 3 | 3 | 3         | 0                    |  |
|  | 1           | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 7 | 8         | 0                    |  |
|  | 1           | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1         | 0                    |  |

Leukemia Mononuclear

Salivary Glands  
Leukemia Mononuclear

Stomach, Forestomach

Stomach, Glandular

Tongue  
Squamous Cell Carcinoma  
Squamous Cell Papilloma

**CARDIOVASCULAR SYSTEM**

Blood Vessel

Heart  
Leukemia Mononuclear  
Schwannoma Malignant

**ENDOCRINE SYSTEM**

Adrenal Cortex  
Leukemia Mononuclear

Adrenal Medulla  
Leukemia Mononuclear  
Pheochromocytoma Complex  
Pheochromocytoma Malignant

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.70 ACRYL | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | ANIMAL ID             | females<br>(cont...) |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|
|  | 0<br>7<br>2<br>4      | 0<br>2<br>9<br>2      | 0<br>4<br>3<br>1      | 0<br>7<br>4<br>4      | 0<br>6<br>1<br>2      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>3<br>5<br>6      | 0<br>6<br>9<br>3      | 0<br>7<br>2<br>9      | 0<br>7<br>4<br>3      | 0<br>7<br>3<br>0      | 0<br>7<br>4<br>4      | 0<br>5<br>7<br>0      | 0<br>6<br>7<br>3      | 0<br>5<br>5<br>4      | 0<br>7<br>3<br>7      | 0<br>6<br>2<br>5      | 0<br>6<br>0<br>6      | 0<br>4<br>8<br>1      |                       |                      |
|  | 0<br>0<br>2<br>1<br>1 | 0<br>0<br>2<br>1<br>2 | 0<br>0<br>2<br>2<br>1 | 0<br>0<br>2<br>2<br>1 | 0<br>0<br>2<br>3<br>2 | 0<br>0<br>2<br>3<br>1 | 0<br>0<br>2<br>4<br>2 | 0<br>0<br>2<br>4<br>2 | 0<br>0<br>2<br>4<br>2 | 0<br>0<br>2<br>5<br>1 | 0<br>0<br>2<br>5<br>2 | 0<br>0<br>9<br>1<br>1 | 0<br>0<br>9<br>1<br>2 | 0<br>0<br>9<br>2<br>2 | 0<br>0<br>9<br>3<br>3 | 0<br>0<br>9<br>4<br>4 | 0<br>0<br>9<br>5<br>5 | 0<br>0<br>9<br>6<br>6 | 0<br>0<br>9<br>7<br>7 | 0<br>0<br>9<br>8<br>8 | 0<br>1<br>3<br>6<br>1 | 0<br>1<br>3<br>7<br>2 | 0<br>1<br>3<br>8<br>1 | 0<br>1<br>3<br>7<br>2 | 0<br>1<br>3<br>8<br>1 |                      |

Bilateral, Pheochromocytoma Malignant

X

Islets, Pancreatic

+ +

Parathyroid Gland

+ + + + + + + + + + + + + + + + + M + + + + +

Pituitary Gland  
Pars Distalis, Adenoma

+  
 X

Thyroid Gland  
C-cell, Adenoma  
Follicular Cell, Adenoma  
Follicular Cell, Carcinoma

+ + + + + + + + + + + + + + + + + A + + + + +  
 X  
 X

**GENERAL BODY SYSTEM**

Tissue NOS  
Sarcoma

**GENITAL SYSTEM**

Clitoral Gland  
Adenoma  
Carcinoma  
Squamous Cell Papilloma

+  
 X  
 X

Ovary  
Histiocytic Sarcoma  
Leukemia Mononuclear

+  
 X  
 X

Uterus

+ +

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.70 ACRYL | DAY ON TEST |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     | ANIMAL ID | females<br>(cont...) |
|--|-------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----------|----------------------|
|  | 074         | 0292 | 00431 | 00744 | 00612 | 00774 | 00774 | 00774 | 00774 | 00774 | 00436 | 00359 | 00359 | 00359 | 00359 | 00570 | 00673 | 00574 | 00737 | 00625 | 00660 | 00481 | 00726 |     |           |                      |
|  | 004         | 002  | 000   | 000   | 000   | 000   | 000   | 000   | 000   | 000   | 000   | 000   | 000   | 000   | 000   | 000   | 000   | 000   | 000   | 000   | 001   | 001   | 001   | 001 |           |                      |
|  | 11          | 22   | 11    | 22    | 33    | 44    | 12    | 24    | 51    | 51    | 11    | 22    | 31    | 32    | 41    | 42    | 51    | 52    | 61    | 62    | 11    | 12    | 13    | 13  |           |                      |

Polyp Stromal X X X X X X X X X X  
 Sarcoma Stromal X X X X

Vagina + +  
 Sarcoma Stromal, Metastatic, Uterus X

**HEMATOPOIETIC SYSTEM**

Bone Marrow +  
 Leukemia Mononuclear X

Lymph Node + + +  
 Deep Cervical, Leukemia Mononuclear + + +  
 Lumbar, Leukemia Mononuclear + + +  
 Lumbar, Sarcoma, Metastatic, Tissue Nos + + +  
 Mediastinal, Leukemia Mononuclear + + +  
 Renal, Leukemia Mononuclear + + +

Lymph Node, Mandibular +  
 Leukemia Mononuclear X X  
 Lymphoma Malignant

Lymph Node, Mesenteric +  
 Leukemia Mononuclear X  
 Lymphoma Malignant

Spleen +  
 Leukemia Mononuclear X X X X X X  
 Lymphoma Malignant X X X X

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
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TDMS No. 20313 - 05  
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P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
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| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.70 ACRYL | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | ANIMAL ID             | females<br>(cont...)  |                       |                       |                       |                       |                       |                       |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|  | 0<br>7<br>2<br>4      | 0<br>2<br>9<br>2      | 0<br>4<br>3<br>1      | 0<br>7<br>4<br>4      | 0<br>6<br>1<br>2      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>3<br>5<br>6      | 0<br>6<br>9<br>3      | 0<br>7<br>2<br>9      | 0<br>7<br>4<br>3      | 0<br>7<br>3<br>0      | 0<br>7<br>4<br>4      | 0<br>5<br>7<br>0      | 0<br>6<br>7<br>3      | 0<br>5<br>5<br>4      |                       |                       | 0<br>7<br>3<br>7      | 0<br>6<br>2<br>5      | 0<br>6<br>0<br>6      | 0<br>4<br>8<br>1      | 0<br>7<br>2<br>6      |                       |
|  | 0<br>0<br>2<br>1<br>1 | 0<br>0<br>2<br>1<br>2 | 0<br>0<br>2<br>2<br>1 | 0<br>0<br>2<br>2<br>2 | 0<br>0<br>2<br>3<br>1 | 0<br>0<br>2<br>2<br>2 | 0<br>0<br>2<br>2<br>4 | 0<br>0<br>2<br>2<br>4 | 0<br>0<br>2<br>2<br>1 | 0<br>0<br>2<br>2<br>2 | 0<br>0<br>2<br>2<br>5 | 0<br>0<br>2<br>2<br>5 | 0<br>0<br>2<br>2<br>1 | 0<br>0<br>2<br>2<br>2 | 0<br>0<br>2<br>2<br>3 | 0<br>0<br>2<br>2<br>4 | 0<br>0<br>2<br>2<br>4 | 0<br>0<br>2<br>2<br>5 | 0<br>0<br>2<br>2<br>5 | 0<br>0<br>2<br>2<br>6 | 0<br>0<br>2<br>2<br>6 | 0<br>1<br>3<br>6<br>1 | 0<br>1<br>3<br>6<br>2 | 0<br>1<br>3<br>7<br>1 | 0<br>1<br>3<br>7<br>2 | 0<br>1<br>3<br>7<br>2 | 0<br>1<br>3<br>7<br>8 | 0<br>1<br>3<br>7<br>1 |

Thymus  
 Leukemia Mononuclear

+ M + + +

**INTEGUMENTARY SYSTEM**

Mammary Gland  
 Adenocarcinoma  
 Fibroadenoma

+  
 X

Skin  
 Basal Cell Carcinoma  
 Leukemia Mononuclear  
 Subcutaneous Tissue, Fibroma  
 Subcutaneous Tissue, Fibrosarcoma  
 Subcutaneous Tissue, Sarcoma  
 Subcutaneous Tissue, Sarcoma, Metastatic,  
 Tissue Nos  
 Tail, Squamous Cell Papilloma

+  
 X  
 X  
 X  
 X

**MUSCULOSKELETAL SYSTEM**

Bone  
 Cranium, Osteoma

Bone, Femur

Skeletal Muscle  
 Sarcoma, Metastatic, Tissue Nos

+  
 +

**NERVOUS SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.70 ACRYL   | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID | females<br>(cont...) |                  |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|------------------|
|  | 0<br>7<br>2<br>4 | 0<br>2<br>9<br>2 | 0<br>4<br>3<br>1 | 0<br>7<br>4<br>4 | 0<br>6<br>1<br>2 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>3<br>5<br>9 | 0<br>6<br>9<br>3 | 0<br>7<br>2<br>9 | 0<br>7<br>4<br>3 | 0<br>7<br>3<br>0 | 0<br>7<br>4<br>4 | 0<br>5<br>7<br>0 | 0<br>6<br>7<br>3 | 0<br>5<br>5<br>4 | 0<br>7<br>3<br>7 | 0<br>6<br>2<br>5 | 0<br>6<br>0<br>6 | 0<br>4<br>8<br>1 |           |                      | 0<br>7<br>2<br>6 |
| Brain, Brain Stem                                    | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    |                  |
| Brain, Cerebellum                                    | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    |                  |
| Brain, Cerebrum<br>Meninges, Granular Cell Tumor Nos | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | X                | +                | +                | +                | +         | +                    |                  |
| Peripheral Nerve, Sciatic                            | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    |                  |
| Spinal Cord, Cervical                                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    |                  |
| Spinal Cord, Lumbar                                  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    |                  |
| Spinal Cord, Thoracic                                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    |                  |
| <b>RESPIRATORY SYSTEM</b>                            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |
| Lung<br>Histiocytic Sarcoma<br>Leukemia Mononuclear  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                |
| Nose   | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                |
| Trachea  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                |
| <b>SPECIAL SENSES SYSTEM</b>                         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |
| Eye  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | A                | +                | +                | +                | +         | +                    | +                |
| Harderian Gland                                      | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
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P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
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 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.70 ACRYL | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | ANIMAL ID             | females<br>(cont...)  |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|  | 0<br>7<br>2<br>4      | 0<br>2<br>9<br>2      | 0<br>4<br>3<br>1      | 0<br>7<br>4<br>4      | 0<br>6<br>1<br>2      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>3<br>5<br>6      | 0<br>6<br>9<br>3      | 0<br>7<br>2<br>9      | 0<br>7<br>4<br>3      | 0<br>7<br>3<br>0      | 0<br>7<br>4<br>4      | 0<br>5<br>7<br>0      | 0<br>6<br>7<br>3      | 0<br>5<br>5<br>4      | 0<br>7<br>3<br>7      | 0<br>6<br>2<br>5      | 0<br>6<br>0<br>6      | 0<br>4<br>8<br>1      |                       |                       |
|  | 0<br>0<br>2<br>1<br>1 | 0<br>0<br>2<br>1<br>2 | 0<br>0<br>2<br>2<br>1 | 0<br>0<br>2<br>2<br>2 | 0<br>0<br>2<br>3<br>1 | 0<br>0<br>2<br>3<br>2 | 0<br>0<br>2<br>4<br>1 | 0<br>0<br>2<br>4<br>2 | 0<br>0<br>2<br>5<br>1 | 0<br>0<br>2<br>5<br>2 | 0<br>0<br>2<br>5<br>1 | 0<br>0<br>9<br>9<br>2 | 0<br>0<br>9<br>9<br>2 | 0<br>0<br>9<br>9<br>2 | 0<br>0<br>9<br>9<br>3 | 0<br>0<br>9<br>9<br>4 | 0<br>0<br>9<br>9<br>4 | 0<br>0<br>9<br>9<br>5 | 0<br>0<br>9<br>9<br>5 | 0<br>0<br>9<br>9<br>6 | 0<br>1<br>3<br>6<br>1 | 0<br>1<br>3<br>6<br>2 | 0<br>1<br>3<br>7<br>1 | 0<br>1<br>3<br>7<br>2 | 0<br>1<br>3<br>7<br>2 | 0<br>1<br>8<br>7<br>1 |

Histiocytic Sarcoma X

Lacrimal Gland

Zymbal's Gland +  
 Squamous Cell Carcinoma X

**URINARY SYSTEM**

Kidney +  
 Leukemia Mononuclear X  
 Transitional Epithelium, Carcinoma X

Urinary Bladder +  
 Leukemia Mononuclear  
 Transitional Epithelium, Carcinoma

**SYSTEMIC LESIONS**

Multiple Organ +  
 Histiocytic Sarcoma X  
 Leukemia Mononuclear X X X X X X X X X X X X X X X X  
 Lymphoma Malignant

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically



| DAY ON TEST                              |                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <b>FISCHER 344 RATS-NCTR RATS FEMALE</b> | 7                 | 4 | 3 | 7 | 5 | 7 | 7 | 7 | 5 | 6 | 5 | 7 | 6 | 7 | 4 | 7 | 6 | 7 | 6 | 4 | 5 | 5 | 4 |   |   |
|  | 4                 | 2 | 8 | 1 | 5 | 4 | 4 | 1 | 5 | 4 | 6 | 4 | 8 | 0 | 8 | 4 | 8 | 3 | 6 | 8 | 5 | 7 | 2 |   |   |
|  | 4                 | 3 | 6 | 9 | 5 | 4 | 4 | 6 | 7 | 6 | 9 | 4 | 8 | 5 | 7 | 4 | 6 | 3 | 8 | 1 | 1 | 1 | 5 |   |   |
|  | <b>0.70 ACRYL</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| ANIMAL ID                                |                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
|  | 1                 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |   |
|  | 3                 | 3 | 3 | 4 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |
|  | 8                 | 9 | 9 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 0 | 0 | 1 | 1 | 2 | 2 | 3 |   |   |
|  | 2                 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 |   |   |
| <b>* TOTALS</b>                          |                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

ALIMENTARY SYSTEM

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Intestine Large, Cecum    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Intestine Large, Colon    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | 47 |
| Intestine Large, Rectum   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Intestine Small, Ileum    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 46 |
| Intestine Small, Jejunum  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 46 |
| Liver                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Hepatocellular Adenoma    |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3  |
| Histiocytic Sarcoma       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Leukemia Mononuclear      |   |   |   |   | X |   | X |   |   | X |   | X | X | X |   | X |   |   |   |   |   |   |   | 14 |
| Lymphoma Malignant        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   | 1  |
| Mesentery                 |   |   |   |   | + |   |   |   |   |   |   |   |   |   |   |   |   |   | + |   |   | + |   | 5  |
| Leukemia Mononuclear      |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Oral Mucosa               |   |   |   |   |   |   |   |   |   |   |   |   | + | + |   |   |   | + |   |   |   | + |   | 7  |
| Squamous Cell Carcinoma   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   | 1  |
| Squamous Cell Papilloma   |   |   |   |   |   |   |   |   |   |   |   | X | X |   |   |   |   | X |   |   |   |   |   | 4  |
| Pancreas                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
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 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.70 ACRYL | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |                       |    |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----|
|  | 0<br>7<br>4<br>4      | 0<br>4<br>2<br>3      | 0<br>3<br>8<br>6      | 0<br>7<br>1<br>9      | 0<br>5<br>5<br>5      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>1<br>6      | 0<br>5<br>5<br>7      | 0<br>6<br>4<br>6      | 0<br>5<br>6<br>9      | 0<br>7<br>4<br>8      | 0<br>6<br>8<br>5      | 0<br>4<br>8<br>7      | 0<br>7<br>4<br>6      | 0<br>6<br>8<br>3      | 0<br>7<br>6<br>8      | 0<br>4<br>8<br>1      | 0<br>5<br>5<br>1      | 0<br>5<br>7<br>1      |                       | 0<br>4<br>2<br>5      |    |
| ANIMAL ID  | 0<br>1<br>3<br>8<br>2 | 0<br>1<br>3<br>9<br>1 | 0<br>1<br>3<br>9<br>2 | 0<br>1<br>4<br>0<br>1 | 0<br>1<br>4<br>0<br>2 | 0<br>1<br>6<br>1<br>1 | 0<br>1<br>6<br>1<br>2 | 0<br>1<br>6<br>1<br>2 | 0<br>1<br>6<br>2<br>2 | 0<br>1<br>6<br>3<br>2 | 0<br>1<br>6<br>3<br>2 | 0<br>1<br>6<br>4<br>1 | 0<br>1<br>6<br>5<br>2 | 0<br>1<br>6<br>5<br>1 | 0<br>2<br>1<br>0<br>2 | 0<br>2<br>1<br>0<br>2 | 0<br>2<br>1<br>1<br>2 | 0<br>2<br>1<br>1<br>2 | 0<br>2<br>1<br>2<br>2 | 0<br>2<br>1<br>2<br>2 | 0<br>2<br>1<br>3<br>1 | 0<br>2<br>1<br>3<br>2 |    |
| Leukemia Mononuclear                               |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       | 1  |
| Salivary Glands                                    | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48 |
| Leukemia Mononuclear                               |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       | 1  |
| Stomach, Forestomach                               | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48 |
| Stomach, Glandular                                 | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48 |
| Tongue   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | +                     |                       |                       |                       |                       |                       | +                     |                       | 3  |
| Squamous Cell Carcinoma                            |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       | 1  |
| Squamous Cell Papilloma                            |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       | 1  |
| <b>CARDIOVASCULAR SYSTEM</b>                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |    |
| Blood Vessel                                       | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48 |
| Heart  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48 |
| Leukemia Mononuclear                               |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       | 2  |
| Schwannoma Malignant                               |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 4  |
| <b>ENDOCRINE SYSTEM</b>                            |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |    |
| Adrenal Cortex                                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48 |
| Leukemia Mononuclear                               |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       | 4  |
| Adrenal Medulla                                    | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48 |
| Leukemia Mononuclear                               |                       |                       |                       |                       | X                     |                       | X                     |                       |                       |                       |                       |                       | X                     |                       |                       | X                     |                       |                       |                       |                       |                       |                       | 6  |
| Pheochromocytoma Complex                           |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1  |
| Pheochromocytoma Malignant                         |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.70 ACRYL | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|  | 0<br>7<br>4<br>4      | 0<br>4<br>2<br>3      | 0<br>3<br>8<br>6      | 0<br>7<br>1<br>9      | 0<br>5<br>5<br>5      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>1<br>6      | 0<br>5<br>5<br>7      | 0<br>6<br>4<br>6      | 0<br>5<br>6<br>9      | 0<br>7<br>4<br>8      | 0<br>6<br>8<br>5      | 0<br>4<br>7<br>4      | 0<br>6<br>8<br>6      | 0<br>7<br>3<br>3      | 0<br>6<br>8<br>1      | 0<br>4<br>5<br>1      | 0<br>5<br>7<br>1      | 0<br>4<br>2<br>5      |                       |
| ANIMAL ID  | 0<br>1<br>3<br>8<br>2 | 0<br>1<br>3<br>9<br>1 | 0<br>1<br>3<br>9<br>2 | 0<br>1<br>4<br>0<br>1 | 0<br>1<br>4<br>0<br>2 | 0<br>1<br>6<br>1<br>1 | 0<br>1<br>6<br>1<br>2 | 0<br>1<br>6<br>1<br>2 | 0<br>1<br>6<br>2<br>2 | 0<br>1<br>6<br>3<br>2 | 0<br>1<br>6<br>3<br>4 | 0<br>1<br>6<br>4<br>2 | 0<br>1<br>6<br>5<br>1 | 0<br>1<br>6<br>5<br>2 | 0<br>2<br>1<br>0<br>1 | 0<br>2<br>1<br>1<br>2 | 0<br>2<br>1<br>1<br>2 | 0<br>2<br>1<br>2<br>1 | 0<br>2<br>1<br>2<br>2 | 0<br>2<br>1<br>2<br>2 | 0<br>2<br>1<br>3<br>1 |
| Bilateral, Pheochromocytoma Malignant              |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Islets, Pancreatic                                 | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Parathyroid Gland                                  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | M                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 46                    |
| Pituitary Gland                                    | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Pars Distalis, Adenoma                             | X                     |                       |                       | X                     | X                     | X                     | X                     |                       | X                     |                       |                       | X                     | X                     |                       | X                     | X                     | X                     |                       | X                     | X                     | 28                    |
| Thyroid Gland                                      | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 47                    |
| C-cell, Adenoma                                    |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       | X                     |                       |                       |                       | 4                     |
| Follicular Cell, Adenoma                           |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     |
| Follicular Cell, Carcinoma                         |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     |
| <b>GENERAL BODY SYSTEM</b>                         |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Tissue NOS   |                       |                       |                       |                       |                       |                       |                       |                       | +                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Sarcoma  |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| <b>GENITAL SYSTEM</b>                              |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Clitoral Gland                                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | M                     | +                     | +                     | +                     | 47                    |
| Adenoma  | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     | 3                     |
| Carcinoma  |                       | X                     |                       |                       |                       |                       | X                     |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       | 8                     |
| Squamous Cell Papilloma                            |                       |                       |                       | X                     |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     | 3                     |
| Ovary  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Histiocytic Sarcoma                                |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Leukemia Mononuclear                               |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Uterus   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.70 ACRYL | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |    |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----|
|  | 0<br>7<br>4<br>4      | 0<br>4<br>2<br>3      | 0<br>3<br>8<br>6      | 0<br>7<br>1<br>9      | 0<br>5<br>5<br>5      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>1<br>6      | 0<br>5<br>5<br>7      | 0<br>6<br>4<br>6      | 0<br>5<br>6<br>9      | 0<br>7<br>4<br>8      | 0<br>6<br>8<br>5      | 0<br>4<br>7<br>4      | 0<br>6<br>8<br>6      | 0<br>7<br>3<br>3      | 0<br>6<br>8<br>8      | 0<br>4<br>5<br>1      | 0<br>5<br>7<br>1      | 0<br>4<br>2<br>5      |                       |    |
| ANIMAL ID  | 0<br>1<br>3<br>8<br>2 | 0<br>1<br>3<br>9<br>1 | 0<br>1<br>3<br>9<br>2 | 0<br>1<br>4<br>0<br>1 | 0<br>1<br>4<br>0<br>2 | 0<br>1<br>6<br>1<br>1 | 0<br>1<br>6<br>1<br>2 | 0<br>1<br>6<br>2<br>2 | 0<br>1<br>6<br>2<br>2 | 0<br>1<br>6<br>3<br>2 | 0<br>1<br>6<br>3<br>2 | 0<br>1<br>6<br>4<br>1 | 0<br>1<br>6<br>5<br>2 | 0<br>2<br>1<br>0<br>1 | 0<br>2<br>1<br>0<br>2 | 0<br>1<br>1<br>1<br>1 | 0<br>2<br>1<br>2<br>2 | 0<br>2<br>1<br>2<br>1 | 0<br>2<br>1<br>2<br>2 | 0<br>2<br>1<br>3<br>1 | 0<br>2<br>3<br>1<br>2 |    |
| Polyp Stromal                                      |                       |                       |                       | X                     |                       | X                     |                       |                       |                       |                       | X                     |                       |                       |                       |                       | X                     |                       |                       | X                     | X                     |                       | 12 |
| Sarcoma Stromal                                    |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 4  |
| Vagina   | +                     |                       |                       |                       |                       |                       |                       |                       |                       | +                     |                       |                       |                       |                       |                       | +                     |                       |                       |                       |                       |                       | 5  |
| Sarcoma Stromal, Metastatic, Uterus                |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1  |
| <b>HEMATOPOIETIC SYSTEM</b>                        |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |    |
| Bone Marrow  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48 |
| Leukemia Mononuclear                               |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1  |
| Lymph Node   |                       |                       |                       |                       |                       |                       |                       |                       | +                     |                       | +                     |                       |                       | +                     | +                     | +                     |                       |                       |                       |                       |                       | 9  |
| Deep Cervical, Leukemia Mononuclear                |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       | 1  |
| Lumbar, Leukemia Mononuclear                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       | 1  |
| Lumbar, Sarcoma, Metastatic, Tissue Nos            |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1  |
| Mediastinal, Leukemia Mononuclear                  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       | 2  |
| Renal, Leukemia Mononuclear                        |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       | 2  |
| Lymph Node, Mandibular                             | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48 |
| Leukemia Mononuclear                               |                       |                       |                       |                       | X                     |                       | X                     |                       |                       |                       |                       | X                     | X                     |                       |                       |                       |                       |                       |                       |                       |                       | 6  |
| Lymphoma Malignant                                 |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       | 1  |
| Lymph Node, Mesenteric                             | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48 |
| Leukemia Mononuclear                               |                       |                       |                       | X                     |                       | X                     |                       |                       |                       |                       |                       | X                     | X                     | X                     |                       |                       |                       |                       |                       |                       |                       | 6  |
| Lymphoma Malignant                                 |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       | 1  |
| Spleen   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48 |
| Leukemia Mononuclear                               |                       |                       |                       |                       | X                     |                       | X                     |                       |                       | X                     |                       | X                     | X                     | X                     |                       | X                     |                       |                       |                       |                       |                       | 17 |
| Lymphoma Malignant                                 |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       | 1  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.70 ACRYL   | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|  | 0<br>7<br>4<br>4      | 0<br>4<br>2<br>3      | 0<br>3<br>8<br>6      | 0<br>7<br>1<br>9      | 0<br>5<br>5<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>6      | 0<br>7<br>1<br>6      | 0<br>5<br>5<br>7      | 0<br>6<br>4<br>6      | 0<br>5<br>6<br>9      | 0<br>7<br>4<br>8      | 0<br>6<br>8<br>5      | 0<br>4<br>7<br>4      | 0<br>6<br>8<br>6      | 0<br>7<br>3<br>3      | 0<br>6<br>8<br>8      | 0<br>4<br>5<br>1      | 0<br>5<br>7<br>1      | 0<br>5<br>2<br>5      |                       |
| ANIMAL ID  | 0<br>1<br>3<br>8<br>2 | 0<br>1<br>3<br>9<br>1 | 0<br>1<br>3<br>9<br>2 | 0<br>1<br>4<br>0<br>1 | 0<br>1<br>4<br>1<br>2 | 0<br>1<br>6<br>1<br>2 | 0<br>1<br>6<br>1<br>2 | 0<br>1<br>6<br>2<br>2 | 0<br>1<br>6<br>3<br>2 | 0<br>1<br>6<br>3<br>4 | 0<br>1<br>6<br>3<br>4 | 0<br>1<br>6<br>4<br>2 | 0<br>1<br>6<br>5<br>1 | 0<br>2<br>1<br>5<br>0 | 0<br>2<br>1<br>0<br>2 | 0<br>2<br>1<br>1<br>1 | 0<br>2<br>1<br>1<br>2 | 0<br>2<br>1<br>1<br>1 | 0<br>2<br>1<br>2<br>2 | 0<br>2<br>1<br>3<br>1 | 0<br>2<br>1<br>3<br>2 |
| Thymus   | +                     | +                     | +                     | +                     | M                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 46                    |
| Leukemia Mononuclear                                 |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| <b>INTEGUMENTARY SYSTEM</b>                          |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Mammary Gland  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Adenocarcinoma                                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 3                     |
| Fibroadenoma   | X                     |                       |                       | X                     |                       | X                     | X                     | X                     |                       |                       | X                     | X                     | X                     |                       | X                     | X                     | X                     |                       |                       | X                     | 31                    |
| Skin   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Basal Cell Carcinoma                                 |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Leukemia Mononuclear                                 |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Subcutaneous Tissue, Fibroma                         |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       | 3                     |
| Subcutaneous Tissue, Fibrosarcoma                    |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Subcutaneous Tissue, Sarcoma                         |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Subcutaneous Tissue, Sarcoma, Metastatic, Tissue Nos |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Tail, Squamous Cell Papilloma                        |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| <b>MUSCULOSKELETAL SYSTEM</b>                        |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Bone   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | +                     |                       |                       |                       |                       |                       |                       | 1                     |
| Cranium, Osteoma                                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Bone, Femur  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Skeletal Muscle                                      | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Sarcoma, Metastatic, Tissue Nos                      |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| <b>NERVOUS SYSTEM</b>                                |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
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TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.70 ACRYL | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |       |       |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|
|  | 0744        | 0423  | 0386  | 0719  | 0555  | 0774  | 0774  | 0776  | 0557  | 0666  | 0559  | 0764  | 0668  | 0700  | 0488  | 0744  | 0668  | 0733  | 0668  | 0481  |          | 0551  | 0557  |
| ANIMAL ID  | 01382       | 01332 | 01332 | 01440 | 01440 | 01666 | 01666 | 01666 | 01666 | 01666 | 01666 | 01666 | 01666 | 01666 | 01666 | 01666 | 01666 | 01666 | 01666 | 01666 | 01666    | 01666 | 01666 |
| Brain, Brain Stem                                  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 48    |
| Brain, Cerebellum                                  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 48    |
| Brain, Cerebrum                                    | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 48    |
| Meninges, Granular Cell Tumor Nos                  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | 1     |
| Peripheral Nerve, Sciatic                          | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 48    |
| Spinal Cord, Cervical                              | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 48    |
| Spinal Cord, Lumbar                                | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 48    |
| Spinal Cord, Thoracic                              | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 48    |
| <b>RESPIRATORY SYSTEM</b>                          |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |
| Lung   | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 48    |
| Histiocytic Sarcoma                                |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | 1     |
| Leukemia Mononuclear                               |             |       |       |       | X     | X     |       |       | X     | X     | X     |       |       |       |       |       |       |       |       |       |          |       | 9     |
| Nose   | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 48    |
| Trachea  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 48    |
| <b>SPECIAL SENSES SYSTEM</b>                       |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |
| Eye  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | A     | +     | +     | +        | +     | 46    |
| Harderian Gland                                    | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 48    |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.70 ACRYL | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | * TOTALS |   |   |   |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|---|---|
|  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |          | 0 |   |   |
|  | 7           | 4 | 3 | 7 | 5 | 7 | 7 | 7 | 5 | 6 | 5 | 7 | 6 | 7 | 4 | 7 | 6 | 7 | 6 | 4 |          | 5 | 5 | 4 |
| ANIMAL ID  | 4           | 2 | 8 | 1 | 5 | 4 | 4 | 1 | 5 | 4 | 6 | 4 | 8 | 0 | 8 | 4 | 8 | 3 | 6 | 8 | 5        | 7 | 2 |   |
|  | 4           | 3 | 6 | 9 | 5 | 4 | 4 | 6 | 7 | 6 | 9 | 4 | 8 | 5 | 7 | 4 | 6 | 3 | 8 | 1 | 1        | 1 | 5 |   |
|  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0        | 0 | 0 |   |
|  | 1           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2        | 2 | 2 |   |
|  | 3           | 3 | 3 | 4 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 1 | 1 | 1 | 1 | 1 | 1 | 1        | 1 | 1 |   |
|  | 8           | 9 | 9 | 0 | 0 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 0 | 0 | 1 | 1 | 2 | 2        | 3 | 3 |   |
|  | 2           | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2        | 1 | 2 |   |

|                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |   |
|-------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|---|
| Histiocytic Sarcoma     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |   |   |
| Lacrimal Gland          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | + | 1 |   |
| Zymbal's Gland          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   | 3 |   |
| Squamous Cell Carcinoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   | X | 2 |

**URINARY SYSTEM**

|                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|
| Kidney                             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |    | 48 |
| Leukemia Mononuclear               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1  |
| Transitional Epithelium, Carcinoma |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1  |
| Urinary Bladder                    | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + |   | 47 |    |
| Leukemia Mononuclear               |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   | 1  |    |
| Transitional Epithelium, Carcinoma |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   | 1  |    |

**SYSTEMIC LESIONS**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |    |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|----|
| Multiple Organ       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  | 48 |
| Histiocytic Sarcoma  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  | 2  |
| Leukemia Mononuclear |   |   |   |   | X |   | X |   |   | X |   | X | X | X |   | X |   |   |   |   |   |   |  | 17 |
| Lymphoma Malignant   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |  | 1  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.35 ACRYL | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | ANIMAL ID | females<br>(cont...) |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------|----------------------|
|  | 0<br>7<br>4<br>4      | 0<br>6<br>1<br>8      | 0<br>6<br>2<br>0      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>6<br>7<br>0      | 0<br>6<br>8<br>6      | 0<br>7<br>4<br>0      | 0<br>4<br>6<br>4      | 0<br>2<br>6<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>3      | 0<br>7<br>4<br>3      | 0<br>4<br>3<br>4      | 0<br>7<br>2<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>8<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      |                       |           |                      |
|  | 0<br>0<br>0<br>6<br>1 | 0<br>0<br>0<br>6<br>2 | 0<br>0<br>0<br>7<br>1 | 0<br>0<br>0<br>8<br>2 | 0<br>0<br>0<br>8<br>1 | 0<br>0<br>0<br>9<br>2 | 0<br>0<br>0<br>9<br>1 | 0<br>0<br>0<br>9<br>2 | 0<br>0<br>1<br>0<br>1 | 0<br>0<br>1<br>0<br>2 | 0<br>0<br>8<br>1<br>1 | 0<br>0<br>8<br>1<br>2 | 0<br>0<br>8<br>2<br>2 | 0<br>0<br>8<br>3<br>1 | 0<br>0<br>8<br>3<br>2 | 0<br>0<br>8<br>4<br>1 | 0<br>0<br>8<br>4<br>2 | 0<br>0<br>8<br>5<br>1 | 0<br>0<br>8<br>5<br>2 | 0<br>1<br>1<br>1<br>1 | 0<br>1<br>1<br>1<br>2 | 0<br>1<br>1<br>2<br>2 | 0<br>1<br>1<br>2<br>2 | 0<br>1<br>1<br>2<br>2 |           |                      |

**ALIMENTARY SYSTEM**

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | A | + | + | + |
| Intestine Large, Colon    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + |
| Intestine Large, Rectum   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + |
| Intestine Small, Ileum    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | A | + | + | + |
| Intestine Small, Jejunum  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | A | A | + | + |
| Liver                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hepatocellular Adenoma    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Leukemia Mononuclear      |   |   |   | X |   |   | X |   |   | X |   |   |   |   | X |   | X |   | X | X |   | X |   | X |
| Mesentery                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| +                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Oral Mucosa               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Squamous Cell Papilloma   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| +                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| X                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Pancreas                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + |
| Leukemia Mononuclear      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymphoma Malignant        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| X                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Salivary Glands           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically



TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.35 ACRYL                    | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   | ANIMAL ID | females<br>(cont...) |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|---|-----------|----------------------|
|   | 0<br>7<br>4<br>4 | 0<br>6<br>1<br>8 | 0<br>6<br>2<br>0 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>6<br>7<br>0 | 0<br>6<br>8<br>6 | 0<br>7<br>4<br>0 | 0<br>4<br>6<br>4 | 0<br>2<br>6<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>3 | 0<br>7<br>4<br>3 | 0<br>4<br>3<br>4 | 0<br>7<br>9<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>0<br>1 | 0<br>5<br>8<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 |   |           |                      |
| Stomach, Forestomach<br>Lymphoma Malignant                            | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | + |           |                      |
| Stomach, Glandular  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | + |           |                      |
| Tongue<br>Squamous Cell Papilloma                                     |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |           |                      |
| <b>CARDIOVASCULAR SYSTEM</b>  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |           |                      |
| Blood Vessel  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | + |           |                      |
| Heart<br>Leukemia Mononuclear<br>Schwannoma Malignant                 | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | + |           |                      |
|   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |           |                      |
|   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |           |                      |
| <b>ENDOCRINE SYSTEM</b>   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |           |                      |
| Adrenal Cortex<br>Adenoma<br>Leukemia Mononuclear                     | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | + |           |                      |
|   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |           |                      |
|   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |           |                      |
| Adrenal Medulla<br>Leukemia Mononuclear<br>Pheochromocytoma Malignant | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | M                | +                | + |           |                      |
|   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |           |                      |
|   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |           |                      |
| Islets, Pancreatic  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | A                | +                | + |           |                      |
| Parathyroid Gland   | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | + |           |                      |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
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TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

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 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.35 ACRYL | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | ANIMAL ID             | females<br>(cont...)  |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|  | 0<br>7<br>4<br>4      | 0<br>6<br>1<br>8      | 0<br>6<br>2<br>0      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>6<br>7<br>0      | 0<br>6<br>8<br>6      | 0<br>7<br>4<br>0      | 0<br>4<br>6<br>4      | 0<br>2<br>6<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>3      | 0<br>7<br>4<br>3      | 0<br>4<br>3<br>4      | 0<br>7<br>2<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>0<br>1      | 0<br>7<br>8<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>0<br>4      |                       |                       |
|  | 0<br>0<br>0<br>6<br>1 | 0<br>0<br>0<br>6<br>2 | 0<br>0<br>0<br>7<br>1 | 0<br>0<br>0<br>7<br>2 | 0<br>0<br>0<br>8<br>1 | 0<br>0<br>0<br>8<br>2 | 0<br>0<br>0<br>9<br>1 | 0<br>0<br>0<br>9<br>2 | 0<br>0<br>0<br>0<br>1 | 0<br>0<br>0<br>0<br>1 | 0<br>0<br>0<br>1<br>2 | 0<br>0<br>0<br>1<br>2 | 0<br>0<br>0<br>1<br>2 | 0<br>0<br>0<br>1<br>2 | 0<br>0<br>0<br>2<br>1 | 0<br>0<br>0<br>3<br>1 | 0<br>0<br>0<br>3<br>2 | 0<br>0<br>0<br>4<br>1 | 0<br>0<br>0<br>4<br>2 | 0<br>0<br>0<br>4<br>1 | 0<br>0<br>0<br>5<br>1 | 0<br>0<br>0<br>5<br>2 | 0<br>1<br>1<br>1<br>1 | 0<br>1<br>1<br>1<br>2 | 0<br>1<br>1<br>2<br>1 | 0<br>1<br>1<br>2<br>1 |

|                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Pituitary Gland            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Lymphoma Malignant         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Pars Distalis, Adenoma     |   |   |   | X |   | X |   |   | X |   |   | X | X | X |   |   |   | X | X |   | X | X |   | X | X |  |
| Pars Distalis, Carcinoma   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |  |
| Thyroid Gland              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| C-cell, Adenoma            |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   | X |  |
| Follicular Cell, Carcinoma |   |   |   |   |   |   |   | X | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

|                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma                 |   |   |   |   |   |   |   | X |   |   |   | X |   |   |   |   |   |   | X | X | X |   |   |   |   |
| Carcinoma               |   | X |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Squamous Cell Carcinoma |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Ovary                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |
| Uterus                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Polyp Stromal           |   |   |   |   |   |   |   | X |   |   |   |   | X | X | X |   |   | X |   |   |   |   |   |   |   |
| Vagina                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |

**HEMATOPOIETIC SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.35 ACRYL | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID | females<br>(cont...) |  |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|--|
|  | 0<br>7<br>4<br>4 | 0<br>6<br>1<br>8 | 0<br>6<br>2<br>0 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>6<br>7<br>0 | 0<br>6<br>8<br>6 | 0<br>7<br>4<br>4 | 0<br>4<br>6<br>0 | 0<br>2<br>6<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>3 | 0<br>7<br>4<br>3 | 0<br>4<br>3<br>4 | 0<br>7<br>3<br>4 | 0<br>2<br>9<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>5<br>8<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 |           |                      |  |
| Bone Marrow  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | A                | +                | +                | +                | +                | +                | +                | +         |                      |  |
| Lymph Node   |                  |                  |                  | +                |                  |                  | +                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | +                |                  |                  |                  | +         |                      |  |
| Deep Cervical, Leukemia Mononuclear                |                  |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |  |
| Lumbar, Leukemia Mononuclear                       |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | X                |                  |                  |                  |           |                      |  |
| Mediastinal, Leukemia Mononuclear                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | X         |                      |  |
| Pancreatic, Leukemia Mononuclear                   |                  |                  |                  | X                |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | X                |                  |                  |                  |           |                      |  |
| Renal, Leukemia Mononuclear                        |                  |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | X                |                  |                  |                  |           |                      |  |
| Lymph Node, Mandibular                             | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         |                      |  |
| Leukemia Mononuclear                               |                  |                  |                  | X                |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | X                |                  | X                | X                |           |                      |  |
| Lymphoma Malignant                                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |  |
| Lymph Node, Mesenteric                             | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | A                | +                | +         |                      |  |
| Leukemia Mononuclear                               |                  |                  |                  | X                |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  |                  |                  | X                |                  |                  | X                |                  | X                |                  | X                |           |                      |  |
| Lymphoma Malignant                                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | X         |                      |  |
| Spleen   | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         |                      |  |
| Leukemia Mononuclear                               |                  |                  |                  | X                |                  |                  | X                |                  |                  | X                |                  |                  |                  |                  |                  | X                |                  |                  |                  | X                |                  | X                | X                |                  | X         |                      |  |
| Thymus   | +                | +                | +                | +                | +                | +                | M                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         |                      |  |
| Leukemia Mononuclear                               |                  |                  |                  |                  |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | X                |                  |                  |                  |           |                      |  |
| <b>INTEGUMENTARY SYSTEM</b>                        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |  |
| Mammary Gland                                      | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         |                      |  |
| Adenocarcinoma                                     |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | X                |                  |           |                      |  |
| Fibroadenoma                                       | X                |                  |                  | X                |                  | X                |                  |                  | X                |                  |                  | X                | X                |                  |                  |                  | X                |                  |                  | X                | X                |                  | X                |                  | X         |                      |  |
| Skin   | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         |                      |  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
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|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|
|  | 0<br>7<br>4<br>4      | 0<br>6<br>1<br>8      | 0<br>6<br>2<br>0      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>6<br>7<br>0      | 0<br>6<br>8<br>6      | 0<br>7<br>4<br>0      | 0<br>4<br>6<br>4      | 0<br>2<br>6<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>3      | 0<br>7<br>4<br>3      | 0<br>4<br>3<br>4      | 0<br>7<br>3<br>4      | 0<br>2<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>0<br>1      | 0<br>7<br>8<br>4      | 0<br>7<br>4<br>4      |                       |                       |                      |
|  | 0<br>0<br>0<br>6<br>1 | 0<br>0<br>0<br>6<br>2 | 0<br>0<br>0<br>7<br>1 | 0<br>0<br>0<br>8<br>2 | 0<br>0<br>0<br>8<br>1 | 0<br>0<br>0<br>8<br>2 | 0<br>0<br>0<br>9<br>1 | 0<br>0<br>0<br>9<br>2 | 0<br>0<br>0<br>0<br>1 | 0<br>0<br>0<br>0<br>1 | 0<br>0<br>0<br>1<br>2 | 0<br>0<br>0<br>1<br>1 | 0<br>0<br>0<br>1<br>2 | 0<br>0<br>0<br>1<br>2 | 0<br>0<br>0<br>2<br>1 | 0<br>0<br>0<br>3<br>4 | 0<br>0<br>0<br>3<br>4 | 0<br>0<br>0<br>4<br>1 | 0<br>0<br>0<br>4<br>2 | 0<br>0<br>0<br>4<br>1 | 0<br>0<br>0<br>5<br>2 | 0<br>1<br>1<br>1<br>1 | 0<br>1<br>1<br>2<br>2 | 0<br>1<br>1<br>2<br>3 | 0<br>1<br>1<br>2<br>1 |                      |

Ear, Neural Crest Tumor, Malignant  
 Subcutaneous Tissue, Fibroma

X

**MUSCULOSKELETAL SYSTEM**

|                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone, Femur                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skeletal Muscle<br>Rhabdomyosarcoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

**NERVOUS SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain, Brain Stem  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Brain, Cerebellum<br>Astrocytoma Nos<br>Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Brain, Cerebrum<br>Astrocytoma Nos<br>Leukemia Mononuclear   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Peripheral Nerve, Sciatic                                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spinal Cord  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Spinal Cord, Cervical<br>Leukemia Mononuclear                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Spinal Cord, Lumbar  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

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 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.35 ACRYL | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | ANIMAL ID             | females<br>(cont...) |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|
|  | 0<br>7<br>4<br>4      | 0<br>6<br>1<br>8      | 0<br>6<br>2<br>0      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>6<br>7<br>0      | 0<br>6<br>8<br>6      | 0<br>7<br>4<br>0      | 0<br>4<br>6<br>4      | 0<br>2<br>6<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>3      | 0<br>7<br>4<br>3      | 0<br>4<br>3<br>4      | 0<br>7<br>3<br>4      | 0<br>2<br>9<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>0<br>1      | 0<br>5<br>8<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>0<br>4      |                       |                      |
|  | 0<br>0<br>0<br>6<br>1 | 0<br>0<br>0<br>6<br>2 | 0<br>0<br>0<br>7<br>1 | 0<br>0<br>0<br>7<br>2 | 0<br>0<br>0<br>8<br>1 | 0<br>0<br>0<br>8<br>2 | 0<br>0<br>0<br>9<br>1 | 0<br>0<br>0<br>9<br>2 | 0<br>0<br>0<br>0<br>1 | 0<br>0<br>0<br>0<br>2 | 0<br>0<br>0<br>1<br>1 | 0<br>0<br>0<br>8<br>2 | 0<br>0<br>0<br>8<br>1 | 0<br>0<br>0<br>8<br>2 | 0<br>0<br>0<br>8<br>3 | 0<br>0<br>0<br>8<br>4 | 0<br>0<br>0<br>8<br>5 | 0<br>0<br>0<br>8<br>1 | 0<br>0<br>0<br>8<br>2 | 0<br>0<br>0<br>8<br>1 | 0<br>1<br>1<br>5<br>1 | 0<br>1<br>1<br>5<br>2 | 0<br>1<br>1<br>2<br>1 | 0<br>1<br>1<br>2<br>2 | 0<br>1<br>1<br>2<br>1 |                      |

Leukemia Mononuclear

X

Spinal Cord, Thoracic

+ +

Leukemia Mononuclear

X

**RESPIRATORY SYSTEM**

Lung

+ +

Leukemia Mononuclear

X X X X X X X X X X

Nose

+ +

Trachea

+ +

**SPECIAL SENSES SYSTEM**

Ear

Eye

+ + + + + + + + + + + + + + + A + + + + A A + +

Lids, Melanoma Malignant

X

Harderian Gland

+ +

**URINARY SYSTEM**

Kidney

+ +

Urinary Bladder

+ +

Leukemia Mononuclear

X

**SYSTEMIC LESIONS**

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
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M .. Missing tissue  
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 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

|  |  | DAY ON TEST |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | females<br>(cont...) |          |          |          |
|--|--|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------------------|----------|----------|----------|
| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.35 ACRYL |  | 0744        | 06618    | 06624    | 06644    | 06644    | 06670    | 06686    | 06684    | 06604    | 06624    | 06674    | 06674    | 06677    | 06643    | 06674    | 06629    | 06644    | 06674    | 06677    | 06677    |                      | 06608    | 06657    | 06674    |
|  |  | 00006611    | 00007789 | 00007788 | 00007788 | 00007789 | 00007789 | 00007789 | 00007789 | 00007789 | 00007789 | 00007789 | 00007789 | 00007789 | 00007789 | 00007789 | 00007789 | 00007789 | 00007789 | 00007789 | 00007789 |                      | 00007789 | 00007789 | 00007789 |

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Multiple Organ       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear |   |   |   | X |   |   | X |   |   | X |   |   |   |   |   | X |   |   | X |   | X | X |   | X |
| Lymphoma Malignant   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.35 ACRYL | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | * TOTALS |   |   |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|---|
|  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |          | 0 |   |
| ANIMAL ID  | 7           | 7 | 4 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 4 | 7 | 5 | 6 | 4 | 7 | 5 | 7 | 7 | 7 | 5        | 7 | 5 |
|  | 4           | 4 | 9 | 4 | 4 | 9 | 4 | 1 | 8 | 4 | 7 | 4 | 3 | 6 | 1 | 2 | 7 | 4 | 4 | 4 | 4        | 0 | 0 |
|  | 4           | 4 | 1 | 4 | 4 | 2 | 4 | 6 | 9 | 4 | 1 | 4 | 0 | 2 | 1 | 3 | 1 | 4 | 4 | 4 | 2        | 9 | 8 |
|  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0        | 0 | 0 |
|  | 1           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2        | 2 | 2 |
|  | 1           | 1 | 1 | 1 | 1 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 3 | 3 | 3 | 3 | 3 | 3        | 3 | 3 |
|  | 3           | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 0 | 0 | 1 | 1 | 2 | 2 | 3 | 3        | 4 | 4 |
|  | 2           | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2        | 1 | 2 |

ALIMENTARY SYSTEM

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Intestine Large, Cecum    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Intestine Large, Colon    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Intestine Large, Rectum   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Intestine Small, Ileum    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Intestine Small, Jejunum  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Liver                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Hepatocellular Adenoma    |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Leukemia Mononuclear      |   |   |   |   | X |   |   |   |   |   |   | X | X |   |   |   | X |   |   | X |   |   |   | 13 |
| Mesentery                 |   |   | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |   |   |   |   |   | 4  |
| Oral Mucosa               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |   | 3  |
| Squamous Cell Papilloma   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   | 2  |
| Pancreas                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Leukemia Mononuclear      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Lymphoma Malignant        |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Salivary Glands           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.35 ACRYL                    | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |                       |                  |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------|
|   | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>4<br>9<br>1      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>9<br>2      | 0<br>7<br>4<br>4      | 0<br>7<br>1<br>6      | 0<br>6<br>8<br>9      | 0<br>7<br>4<br>1      | 0<br>4<br>7<br>4      | 0<br>5<br>3<br>0      | 0<br>6<br>6<br>2      | 0<br>4<br>1<br>1      | 0<br>7<br>2<br>3      | 0<br>5<br>7<br>1      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>4<br>2      | 0<br>7<br>4<br>4      |                       | 0<br>5<br>0<br>9      | 0<br>5<br>0<br>8 |
| ANIMAL ID   | 0<br>1<br>1<br>3<br>2 | 0<br>1<br>1<br>4<br>1 | 0<br>1<br>1<br>4<br>2 | 0<br>1<br>1<br>5<br>1 | 0<br>1<br>1<br>5<br>2 | 0<br>1<br>9<br>6<br>1 | 0<br>1<br>9<br>6<br>2 | 0<br>1<br>9<br>7<br>1 | 0<br>1<br>9<br>7<br>2 | 0<br>1<br>9<br>8<br>1 | 0<br>1<br>9<br>8<br>2 | 0<br>1<br>9<br>9<br>1 | 0<br>2<br>0<br>0<br>1 | 0<br>2<br>0<br>0<br>1 | 0<br>2<br>3<br>1<br>1 | 0<br>2<br>3<br>1<br>2 | 0<br>2<br>3<br>2<br>1 | 0<br>2<br>3<br>3<br>2 | 0<br>2<br>3<br>3<br>1 | 0<br>2<br>3<br>3<br>2 | 0<br>2<br>3<br>4<br>1 | 0<br>2<br>3<br>4<br>2 |                  |
| Stomach, Forestomach<br>Lymphoma Malignant                            | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48<br>1          |
| Stomach, Glandular  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48               |
| Tongue<br>Squamous Cell Papilloma                                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1<br>1           |
| <b>CARDIOVASCULAR SYSTEM</b>  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                  |
| Blood Vessel  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48               |
| Heart<br>Leukemia Mononuclear<br>Schwannoma Malignant                 | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48<br>2<br>2     |
| <b>ENDOCRINE SYSTEM</b>   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                  |
| Adrenal Cortex<br>Adenoma<br>Leukemia Mononuclear                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48<br>1<br>3     |
| Adrenal Medulla<br>Leukemia Mononuclear<br>Pheochromocytoma Malignant | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 47<br>2<br>1     |
| Islets, Pancreatic  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 47               |
| Parathyroid Gland   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 46               |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.35 ACRYL | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |                       |                       |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|  | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>4<br>9<br>1      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>9<br>2      | 0<br>7<br>4<br>4      | 0<br>7<br>1<br>6      | 0<br>6<br>8<br>9      | 0<br>7<br>4<br>1      | 0<br>7<br>4<br>1      | 0<br>5<br>3<br>0      | 0<br>6<br>6<br>2      | 0<br>4<br>1<br>1      | 0<br>7<br>2<br>3      | 0<br>5<br>7<br>1      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>4<br>2      | 0<br>7<br>4<br>4      |                       | 0<br>5<br>0<br>9      | 0<br>5<br>0<br>8      |
| ANIMAL ID  | 0<br>1<br>1<br>3<br>2 | 0<br>1<br>1<br>4<br>1 | 0<br>1<br>1<br>4<br>2 | 0<br>1<br>1<br>5<br>1 | 0<br>1<br>1<br>5<br>2 | 0<br>1<br>1<br>6<br>1 | 0<br>1<br>1<br>6<br>2 | 0<br>1<br>1<br>7<br>1 | 0<br>1<br>1<br>7<br>2 | 0<br>1<br>1<br>8<br>1 | 0<br>1<br>1<br>8<br>2 | 0<br>1<br>1<br>9<br>1 | 0<br>1<br>1<br>9<br>2 | 0<br>2<br>0<br>0<br>1 | 0<br>2<br>0<br>0<br>1 | 0<br>2<br>3<br>3<br>1 | 0<br>2<br>3<br>3<br>2 | 0<br>2<br>3<br>3<br>1 | 0<br>2<br>3<br>3<br>2 | 0<br>2<br>3<br>3<br>1 | 0<br>2<br>3<br>4<br>2 | 0<br>2<br>3<br>4<br>1 | 0<br>2<br>3<br>4<br>2 |
| Pituitary Gland                                    | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Lymphoma Malignant                                 |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Pars Distalis, Adenoma                             | X                     | X                     |                       | X                     |                       |                       | X                     | X                     | X                     | X                     |                       | X                     | X                     | X                     |                       | X                     | X                     | X                     | X                     |                       | X                     | X                     | 29                    |
| Pars Distalis, Carcinoma                           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Thyroid Gland                                      | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| C-cell, Adenoma                                    |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 3                     |
| Follicular Cell, Carcinoma                         |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 3                     |
| <b>GENERAL BODY SYSTEM</b>                         |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| NONE   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| <b>GENITAL SYSTEM</b>                              |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Clitoral Gland                                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Adenoma  |                       | X                     |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       | 8                     |
| Carcinoma  |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 3                     |
| Squamous Cell Carcinoma                            |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Ovary  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Leukemia Mononuclear                               |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       | X                     |                       | 3                     |
| Uterus   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Polyp Stromal                                      |                       |                       |                       | X                     |                       |                       | X                     |                       |                       | X                     |                       | X                     | X                     |                       |                       |                       |                       |                       |                       | X                     |                       |                       | 10                    |
| Vagina   |                       |                       |                       | +                     |                       |                       |                       |                       |                       |                       | +                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 4                     |

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 X .. Lesion present  
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Acrylamide  
 CAS Number: 79-06-1

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| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.35 ACRYL                                | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |                       |                       |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|   | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>4<br>9<br>1      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>9<br>2      | 0<br>7<br>4<br>4      | 0<br>7<br>1<br>6      | 0<br>6<br>8<br>9      | 0<br>7<br>4<br>1      | 0<br>4<br>7<br>4      | 0<br>5<br>3<br>0                      | 0<br>6<br>6<br>2      | 0<br>4<br>1<br>1      | 0<br>7<br>2<br>3      | 0<br>5<br>7<br>1      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>4<br>2      | 0<br>7<br>4<br>4      |                       | 0<br>5<br>0<br>9      | 0<br>5<br>0<br>8      |
| ANIMAL ID   | 0<br>1<br>1<br>3<br>2 | 0<br>1<br>1<br>4<br>1 | 0<br>1<br>1<br>4<br>2 | 0<br>1<br>1<br>4<br>1 | 0<br>1<br>1<br>5<br>2 | 0<br>1<br>1<br>6<br>1 | 0<br>1<br>1<br>6<br>2 | 0<br>1<br>1<br>7<br>1 | 0<br>1<br>1<br>7<br>2 | 0<br>1<br>1<br>8<br>1 | 0<br>1<br>1<br>8<br>2 | 0<br>1<br>1<br>9<br>1                 | 0<br>1<br>1<br>9<br>2 | 0<br>2<br>0<br>0<br>1 | 0<br>2<br>0<br>0<br>1 | 0<br>2<br>3<br>3<br>1 | 0<br>2<br>3<br>3<br>2 | 0<br>2<br>3<br>3<br>1 | 0<br>2<br>3<br>3<br>2 | 0<br>2<br>3<br>3<br>1 | 0<br>2<br>3<br>4<br>1 | 0<br>2<br>3<br>4<br>2 | 0<br>2<br>3<br>4<br>2 |
| Bone Marrow   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 47                    |
| Lymph Node  |                       |                       |                       |                       |                       | +                     |                       |                       | +                     |                       |                       |                                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 6                     |
| Deep Cervical, Leukemia Mononuclear   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Lumbar, Leukemia Mononuclear  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Mediastinal, Leukemia Mononuclear   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Pancreatic, Leukemia Mononuclear  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 3                     |
| Renal, Leukemia Mononuclear   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     |
| Lymph Node, Mandibular  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Leukemia Mononuclear  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       | X                     | 7                     |
| Lymphoma Malignant  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Lymph Node, Mesenteric  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 47                    |
| Leukemia Mononuclear  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 6                     |
| Lymphoma Malignant  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Spleen  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Leukemia Mononuclear  |                       | X                     |                       | X                     |                       | X                     |                       |                       |                       |                       |                       |                                       | X                     | X                     |                       |                       | X                     |                       |                       |                       | X                     |                       | 15                    |
| Thymus  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | M                     | +                     | +                     | +                     | +                                     | +                     | M                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 45                    |
| Leukemia Mononuclear  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     | 3                     |
| <b>INTEGUMENTARY SYSTEM</b>   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Mammary Gland   | +                     | +                     | +                     | +                     | +                     | M                     | +                     | +                     | +                     | +                     | +                     | +                                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 47                    |
| Adenocarcinoma  |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                                       |                       |                       |                       | X                     | X                     |                       |                       |                       |                       |                       | 4                     |
| Fibroadenoma  |                       | X                     |                       | X                     | X                     |                       | X                     |                       | X                     |                       |                       |                                       |                       |                       | X                     | X                     | X                     | X                     | X                     |                       | X                     | X                     | 22                    |
| Skin  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| * .. Total animals with tissue examined microscopically; Total animals with tumor |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | M .. Missing tissue                   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| + .. Tissue examined microscopically  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | A .. Autolysis precludes evaluation   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| X .. Lesion present   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | BLANK .. Not examined microscopically |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| I .. Insufficient tissue  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |

| DAY ON TEST                              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <b>FISCHER 344 RATS-NCTR RATS FEMALE</b> | 7 | 7 | 4 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 4 | 7 | 5 | 6 | 4 | 7 | 5 | 7 | 7 | 7 | 5 | 7 | 5 |
| <b>0.35 ACRYL</b>                        | 4 | 4 | 9 | 4 | 4 | 9 | 4 | 1 | 8 | 4 | 7 | 4 | 3 | 6 | 1 | 2 | 7 | 4 | 4 | 4 | 4 | 0 | 0 |
| <b>ANIMAL ID</b>                         | 4 | 4 | 1 | 4 | 4 | 2 | 4 | 6 | 9 | 4 | 1 | 4 | 0 | 2 | 1 | 3 | 1 | 4 | 4 | 4 | 2 | 9 | 8 |
|  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
|  | 1 | 1 | 1 | 1 | 1 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
|  | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 0 | 0 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 |
|  | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 |
| <b>* TOTALS</b>                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

Ear, Neural Crest Tumor, Malignant Subcutaneous Tissue, Fibroma X 1  
1

**MUSCULOSKELETAL SYSTEM**

|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |         |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|
| Bone, Femur                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48      |
| Skeletal Muscle Rhabdomyosarcoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48<br>1 |

**NERVOUS SYSTEM**

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Brain, Brain Stem         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Brain, Cerebellum         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Astrocytoma Nos           |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Leukemia Mononuclear      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Brain, Cerebrum           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Astrocytoma Nos           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   | 2  |
| Leukemia Mononuclear      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Spinal Cord               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Spinal Cord, Cervical     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   | 1  |
| Spinal Cord, Lumbar       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.35 ACRYL | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |                       |                       |          |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|
|  | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>4<br>9<br>1      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>9<br>2      | 0<br>7<br>4<br>4      | 0<br>7<br>1<br>6      | 0<br>6<br>8<br>9      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>1      | 0<br>5<br>3<br>0      | 0<br>6<br>6<br>2      | 0<br>4<br>1<br>1      | 0<br>7<br>2<br>3      | 0<br>5<br>7<br>1      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>4<br>2      | 0<br>7<br>4<br>4      |                       | 0<br>5<br>0<br>9      | 0<br>5<br>0<br>8      |          |
| ANIMAL ID  | 0<br>1<br>1<br>3<br>2 | 0<br>1<br>1<br>4<br>1 | 0<br>1<br>1<br>4<br>2 | 0<br>1<br>1<br>5<br>1 | 0<br>1<br>1<br>5<br>2 | 0<br>1<br>1<br>6<br>1 | 0<br>1<br>1<br>6<br>2 | 0<br>1<br>1<br>7<br>1 | 0<br>1<br>1<br>7<br>2 | 0<br>1<br>1<br>8<br>1 | 0<br>1<br>1<br>8<br>2 | 0<br>1<br>1<br>9<br>1 | 0<br>1<br>1<br>9<br>2 | 0<br>1<br>1<br>9<br>3 | 0<br>1<br>1<br>9<br>3 | 0<br>2<br>0<br>0<br>1 | 0<br>2<br>0<br>0<br>1 | 0<br>2<br>3<br>3<br>2 | 0<br>2<br>3<br>3<br>1 | 0<br>2<br>3<br>3<br>2 | 0<br>2<br>3<br>3<br>1 | 0<br>2<br>3<br>4<br>1 | 0<br>2<br>3<br>4<br>2 |          |
| Leukemia Mononuclear                               |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     | 2        |
| Spinal Cord, Thoracic<br>Leukemia Mononuclear      | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48<br>1  |
| <b>RESPIRATORY SYSTEM</b>                          |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |          |
| Lung<br>Leukemia Mononuclear                       | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | X<br>X                | 48<br>11 |
| Nose   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48       |
| Trachea  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48       |
| <b>SPECIAL SENSES SYSTEM</b>                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |          |
| Ear  |                       |                       |                       | +                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1        |
| Eye<br>Lids, Melanoma Malignant                    | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 45<br>1               |          |
| Harderian Gland                                    | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |          |
| <b>URINARY SYSTEM</b>                              |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |          |
| Kidney   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |          |
| Urinary Bladder<br>Leukemia Mononuclear            | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48<br>1               |          |
| <b>SYSTEMIC LESIONS</b>                            |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |          |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

**TDMS No.** 20313 - 05  
**Test Type:** CHRONIC  
**Route:** DOSED WATER  
**Species/Strain:** RATS/F 344/NCTR

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
 Acrylamide  
**CAS Number:** 79-06-1

**Date Report Requested:** 01/15/2010  
**Time Report Requested:** 14:38:46  
**First Dose M/F:** 05/23/05 / 05/23/05  
**Lab:** NCTR

|  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |    |   |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|----|---|
| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.35 ACRYL | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               | 0  |   |
|  | ANIMAL ID   | 7 | 7 | 4 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 4 | 7 | 5 | 6 | 4 | 7 | 5 | 7 | 7 | 7 | 5 | 7               | 5  | 0 |
|  |             | 4 | 4 | 9 | 4 | 4 | 9 | 4 | 1 | 8 | 4 | 7 | 4 | 3 | 6 | 1 | 2 | 7 | 4 | 4 | 4 | 4 | 0               | 0  |   |
|  |             | 4 | 4 | 1 | 4 | 4 | 2 | 4 | 6 | 9 | 4 | 1 | 4 | 0 | 2 | 1 | 3 | 1 | 4 | 4 | 4 | 2 | 9               | 8  |   |
|  |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               | 0  |   |
|  |             | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2               | 2  |   |
|  |             | 1 | 1 | 1 | 1 | 1 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3               | 3  |   |
|  |             | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 0 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4               |    |   |
|  |             | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1               | 2  |   |
|  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>* TOTALS</b> |    |   |
| Multiple Organ                                     |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +               | 48 |   |
| Leukemia Mononuclear                               |             |   | X |   | X |   | X |   |   |   |   |   | X | X |   |   | X |   |   |   | X |   |                 | 15 |   |
| Lymphoma Malignant                                 |             |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |                 | 1  |   |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.175 ACRYL | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | ANIMAL ID | females<br>(cont...) |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------|----------------------|
|   | 0<br>7<br>4<br>4      | 0<br>7<br>2<br>5      | 0<br>7<br>4<br>4      | 0<br>5<br>8<br>6      | 0<br>6<br>4<br>8      | 0<br>5<br>9<br>6      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>9<br>3      | 0<br>5<br>7<br>0      | 0<br>7<br>4<br>4      | 0<br>7<br>3<br>8      | 0<br>7<br>0<br>0      | 0<br>7<br>4<br>3      | 0<br>7<br>3<br>1      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>3<br>8<br>3      | 0<br>6<br>9<br>0      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>3<br>3      | 0<br>5<br>7<br>8      |                       |           |                      |
|   | 0<br>0<br>3<br>1<br>1 | 0<br>0<br>3<br>1<br>2 | 0<br>0<br>3<br>2<br>1 | 0<br>0<br>3<br>3<br>2 | 0<br>0<br>3<br>3<br>1 | 0<br>0<br>3<br>3<br>2 | 0<br>0<br>3<br>4<br>1 | 0<br>0<br>3<br>2<br>4 | 0<br>0<br>3<br>5<br>1 | 0<br>0<br>3<br>5<br>2 | 0<br>0<br>7<br>6<br>1 | 0<br>0<br>7<br>6<br>2 | 0<br>0<br>7<br>7<br>1 | 0<br>0<br>7<br>7<br>2 | 0<br>0<br>7<br>8<br>1 | 0<br>0<br>7<br>8<br>2 | 0<br>0<br>7<br>9<br>1 | 0<br>0<br>8<br>9<br>2 | 0<br>0<br>8<br>0<br>1 | 0<br>0<br>8<br>1<br>2 | 0<br>1<br>0<br>1<br>1 | 0<br>1<br>0<br>1<br>2 | 0<br>1<br>0<br>2<br>2 | 0<br>1<br>0<br>2<br>2 | 0<br>1<br>0<br>3<br>1 |           |                      |

**ALIMENTARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum<br>Leukemia Mononuclear          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon                                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum                                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum<br>Leukemia Mononuclear       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X |
| Intestine Small, Ileum<br>Leukemia Mononuclear          | + | + | + | + | + | + | + | X | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum                                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver<br>Hepatocellular Adenoma<br>Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|   |   |   |   |   |   | X | X |   |   |   | X | X |   |   | X |   |   | X |   |   |   |   |   |   | X |
| Mesentery<br>Leukemia Mononuclear                       |   |   |   |   |   |   |   |   |   |   | + | + |   |   | + |   |   | + |   |   |   |   | + |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Oral Mucosa<br>Squamous Cell Papilloma                  |   |   |   |   |   |   |   | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Pancreas  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.175 ACRYL | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | females<br>(cont...) |  |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|--|
|   | 0<br>7<br>4<br>4      | 0<br>7<br>2<br>5      | 0<br>7<br>4<br>4      | 0<br>5<br>8<br>6      | 0<br>6<br>4<br>8      | 0<br>5<br>9<br>6      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>9<br>3      | 0<br>5<br>7<br>0      | 0<br>7<br>4<br>4      | 0<br>7<br>3<br>8      | 0<br>7<br>0<br>0      | 0<br>7<br>4<br>3      | 0<br>7<br>3<br>1      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>3<br>8<br>3      | 0<br>6<br>9<br>0      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>3<br>3      | 0<br>5<br>7<br>8      |                       |                      |  |
| ANIMAL ID   | 0<br>0<br>3<br>1<br>1 | 0<br>0<br>0<br>1<br>2 | 0<br>0<br>3<br>2<br>1 | 0<br>0<br>3<br>3<br>2 | 0<br>0<br>3<br>3<br>1 | 0<br>0<br>3<br>4<br>2 | 0<br>0<br>3<br>4<br>1 | 0<br>0<br>3<br>5<br>2 | 0<br>0<br>3<br>5<br>1 | 0<br>0<br>3<br>6<br>2 | 0<br>0<br>7<br>6<br>1 | 0<br>0<br>7<br>7<br>2 | 0<br>0<br>7<br>7<br>1 | 0<br>0<br>7<br>8<br>2 | 0<br>0<br>7<br>8<br>1 | 0<br>0<br>7<br>9<br>2 | 0<br>0<br>7<br>9<br>1 | 0<br>0<br>8<br>9<br>2 | 0<br>0<br>8<br>9<br>1 | 0<br>0<br>0<br>0<br>2 | 0<br>0<br>0<br>1<br>1 | 0<br>0<br>0<br>1<br>2 | 0<br>0<br>0<br>1<br>1 | 0<br>0<br>0<br>2<br>2 | 0<br>0<br>0<br>3<br>1 |                      |  |
| Leukemia Mononuclear                                |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                      |  |
| Salivary Glands                                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |                      |  |
| Leukemia Mononuclear                                |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                      |  |
| Stomach, Forestomach                                | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |                      |  |
| Leukemia Mononuclear                                |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                      |  |
| Squamous Cell Papilloma                             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                      |  |
| Stomach, Glandular                                  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |                      |  |
| Leukemia Mononuclear                                |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                      |  |
| <b>CARDIOVASCULAR SYSTEM</b>                        |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                      |  |
| Blood Vessel  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |                      |  |
| Heart   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |                      |  |
| Leukemia Mononuclear                                |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       | X                     |                      |  |
| <b>ENDOCRINE SYSTEM</b>                             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                      |  |
| Adrenal Cortex                                      | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |                      |  |
| Leukemia Mononuclear                                |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                      |  |
| Adrenal Medulla                                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |                      |  |
| Leukemia Mononuclear                                |                       |                       |                       |                       |                       |                       |                       | X                     | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                      |  |
| Pheochromocytoma Malignant                          |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                      |  |
| Islets, Pancreatic                                  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |                      |  |
| Leukemia Mononuclear                                |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                      |  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Acrylamide

CAS Number: 79-06-1

Date Report Requested: 01/15/2010

Time Report Requested: 14:38:46

First Dose M/F: 05/23/05 / 05/23/05

Lab: NCTR

|   |           | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | females<br>(cont...) |
|---|-----------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|
| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.175 ACRYL | ANIMAL ID | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                      |
|   |           | 7           | 7 | 7 | 5 | 6 | 5 | 7 | 7 | 5 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 3 | 6 | 7 | 7 | 7 | 7 | 5 |                      |
|   |           | 4           | 2 | 4 | 8 | 4 | 9 | 4 | 4 | 9 | 7 | 4 | 3 | 0 | 4 | 4 | 3 | 1 | 4 | 4 | 8 | 9 | 4 | 4 | 4 | 3 | 7                    |
|   |           | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |                      |
|   |           | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |   |                      |
|   |           | 3           | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 0 | 0 | 0 | 0 | 0 |   |                      |
|   |           | 1           | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 0 | 0 | 1 | 1 | 2 | 2 | 3 |   |   |                      |
|   |           | 1           | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 |   |                      |

|                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parathyroid Gland          | + | + | + | M | + | + | M | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |
| Pituitary Gland            | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear       |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Pars Distalis, Adenoma     | X |   | X |   | X |   |   |   | X | X |   | X | X | X | X | X | X |   | X |   | X | X | X |   |
| Thyroid Gland              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear       |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |
| C-cell, Adenoma            |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   | X |   |   |   |   |   |   |
| C-cell, Carcinoma          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   | X |   |
| Follicular Cell, Adenoma   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Follicular Cell, Carcinoma |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

GENERAL BODY SYSTEM

|                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Tissue NOS                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fat, Leukemia Mononuclear |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

GENITAL SYSTEM

|                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma                 |   |   |   |   |   |   |   |   |   | X |   |   |   |   | X |   |   |   |   |   |   |   |   |   |
| Carcinoma               |   |   | X | X |   | X |   |   |   |   |   | X | X |   |   |   | X |   |   |   |   |   |   | X |
| Leukemia Mononuclear    |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Squamous Cell Papilloma |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |
| Ovary                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear    |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically



TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.175 ACRYL | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   | ANIMAL ID             | females<br>(cont...)  |  |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|---|-----------------------|-----------------------|--|
|   | 0<br>7<br>4<br>4 | 0<br>7<br>2<br>5 | 0<br>7<br>4<br>4 | 0<br>5<br>8<br>6 | 0<br>6<br>4<br>8 | 0<br>5<br>9<br>6 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>5<br>9<br>3 | 0<br>5<br>7<br>0 | 0<br>7<br>4<br>4 | 0<br>7<br>3<br>8 | 0<br>7<br>0<br>0 | 0<br>7<br>4<br>3 | 0<br>7<br>3<br>1 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>3<br>8<br>3 | 0<br>6<br>9<br>0 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>3<br>3 | 0<br>5<br>7<br>8 |   |                       |                       |  |
| Uterus  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | + | 0<br>0<br>3<br>1<br>1 | females<br>(cont...)  |  |
| Leukemia Mononuclear                                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   | 0<br>0<br>3<br>1<br>1 |                       |  |
| Polyp Stromal                                       |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   | 0<br>0<br>3<br>1<br>1 |                       |  |
| Polyp Stromal, Multiple                             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   | 0<br>0<br>3<br>1<br>1 |                       |  |
| Sarcoma Stromal                                     |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   | 0<br>0<br>3<br>1<br>1 |                       |  |
| Vagina  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   | 0<br>0<br>3<br>1<br>1 | +                     |  |
| <b>HEMATOPOIETIC SYSTEM</b>                         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |                       |                       |  |
| Bone Marrow   | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | + | +                     | 0<br>0<br>3<br>1<br>1 |  |
| Lymph Node  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |                       | 0<br>0<br>3<br>1<br>1 |  |
| Axillary, Leukemia Mononuclear                      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |                       | 0<br>0<br>3<br>1<br>1 |  |
| Lumbar, Leukemia Mononuclear                        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |                       | 0<br>0<br>3<br>1<br>1 |  |
| Mediastinal, Leukemia Mononuclear                   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |                       | 0<br>0<br>3<br>1<br>1 |  |
| Pancreatic, Leukemia Mononuclear                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |                       | 0<br>0<br>3<br>1<br>1 |  |
| Renal, Leukemia Mononuclear                         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |                       | 0<br>0<br>3<br>1<br>1 |  |
| Lymph Node, Mandibular                              | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | + | +                     | 0<br>0<br>3<br>1<br>1 |  |
| Leukemia Mononuclear                                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |                       | 0<br>0<br>3<br>1<br>1 |  |
| Lymph Node, Mesenteric                              | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | + | +                     | 0<br>0<br>3<br>1<br>1 |  |
| Leukemia Mononuclear                                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |                       | 0<br>0<br>3<br>1<br>1 |  |
| Spleen  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | + | +                     | 0<br>0<br>3<br>1<br>1 |  |
| Leukemia Mononuclear                                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |                       | 0<br>0<br>3<br>1<br>1 |  |
| Thymus  | +                | +                | M                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | + | +                     | 0<br>0<br>3<br>1<br>1 |  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.175 ACRYL | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | females<br>(cont...) |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|
|   | 0<br>7<br>4<br>4      | 0<br>7<br>2<br>5      | 0<br>7<br>4<br>4      | 0<br>5<br>8<br>6      | 0<br>6<br>4<br>8      | 0<br>5<br>9<br>6      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>9<br>3      | 0<br>5<br>7<br>0      | 0<br>7<br>4<br>4      | 0<br>7<br>3<br>8      | 0<br>7<br>0<br>0      | 0<br>7<br>4<br>3      | 0<br>7<br>3<br>1      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>3<br>8<br>3      | 0<br>6<br>9<br>0      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>3<br>3      | 0<br>5<br>7<br>8      |                       |                      |
| ANIMAL ID   | 0<br>0<br>3<br>1<br>1 | 0<br>0<br>3<br>1<br>2 | 0<br>0<br>3<br>2<br>1 | 0<br>0<br>3<br>3<br>2 | 0<br>0<br>3<br>3<br>1 | 0<br>0<br>3<br>3<br>2 | 0<br>0<br>3<br>4<br>1 | 0<br>0<br>3<br>4<br>2 | 0<br>0<br>3<br>5<br>1 | 0<br>0<br>3<br>5<br>2 | 0<br>0<br>7<br>6<br>1 | 0<br>0<br>7<br>6<br>2 | 0<br>0<br>7<br>7<br>1 | 0<br>0<br>7<br>7<br>2 | 0<br>0<br>7<br>8<br>1 | 0<br>0<br>7<br>8<br>2 | 0<br>0<br>7<br>9<br>1 | 0<br>0<br>8<br>9<br>2 | 0<br>0<br>8<br>0<br>1 | 0<br>0<br>8<br>0<br>1 | 0<br>1<br>0<br>1<br>2 | 0<br>1<br>0<br>1<br>2 | 0<br>1<br>0<br>1<br>2 | 0<br>1<br>0<br>2<br>2 | 0<br>1<br>0<br>2<br>2 |                      |

Leukemia Mononuclear

X

X

**INTEGUMENTARY SYSTEM**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland        | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenocarcinoma       |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Fibroadenoma         | X |   | X |   |   |   |   | X |   | X | X | X |   | X | X |   | X |   | X | X | X | X | X |   |
| Leukemia Mononuclear |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Skin                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Keratoacanthoma      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |

**MUSCULOSKELETAL SYSTEM**

|                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone, Femur     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

**NERVOUS SYSTEM**

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain, Brain Stem         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear      |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Brain, Cerebellum         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Brain, Cerebrum           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.175 ACRYL   | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | females<br>(cont...) |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|
|   | 0<br>7<br>4<br>4      | 0<br>7<br>2<br>5      | 0<br>7<br>4<br>4      | 0<br>5<br>8<br>6      | 0<br>6<br>4<br>8      | 0<br>5<br>9<br>6      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>9<br>3      | 0<br>5<br>7<br>0      | 0<br>7<br>4<br>4      | 0<br>7<br>3<br>8      | 0<br>7<br>0<br>0      | 0<br>7<br>4<br>3      | 0<br>7<br>3<br>1      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>3<br>8<br>3      | 0<br>6<br>9<br>0      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>3<br>3      | 0<br>5<br>7<br>8      |                       |                      |
| ANIMAL ID   | 0<br>0<br>3<br>1<br>1 | 0<br>0<br>3<br>1<br>2 | 0<br>0<br>3<br>2<br>1 | 0<br>0<br>3<br>3<br>2 | 0<br>0<br>3<br>3<br>1 | 0<br>0<br>3<br>3<br>2 | 0<br>0<br>3<br>4<br>1 | 0<br>0<br>3<br>4<br>2 | 0<br>0<br>3<br>5<br>1 | 0<br>0<br>3<br>5<br>2 | 0<br>0<br>7<br>6<br>1 | 0<br>0<br>7<br>7<br>2 | 0<br>0<br>7<br>7<br>1 | 0<br>0<br>7<br>7<br>2 | 0<br>0<br>7<br>8<br>1 | 0<br>0<br>7<br>8<br>2 | 0<br>0<br>7<br>9<br>1 | 0<br>0<br>8<br>9<br>2 | 0<br>0<br>8<br>9<br>1 | 0<br>0<br>0<br>0<br>1 | 0<br>0<br>0<br>0<br>1 | 0<br>0<br>0<br>0<br>2 | 0<br>0<br>0<br>0<br>1 | 0<br>0<br>0<br>0<br>2 | 0<br>0<br>0<br>0<br>1 |                      |
| Spinal Cord, Cervical<br>Leukemia Mononuclear   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |                      |
| Spinal Cord, Lumbar   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |                      |
| Spinal Cord, Thoracic   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |                      |
| <b>RESPIRATORY SYSTEM</b>   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                      |
| Lung<br>Alveolar/Bronchiolar Adenoma<br>Carcinoma, Metastatic, Kidney<br>Leukemia Mononuclear | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |                      |
|   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                      |
|   |                       |                       |                       |                       |                       | X                     | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       | X                     |                      |
| Nose<br>Leukemia Mononuclear  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |                      |
|   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                      |
|   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                      |
| Trachea   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |                      |
| <b>SPECIAL SENSES SYSTEM</b>  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                      |
| Eye<br>Leukemia Mononuclear   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |                      |
|   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                      |
|   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                      |
| Harderian Gland   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |                      |
|   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                      |
|   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                      |
| Lacrimal Gland  |                       | +                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                      |
| <b>URINARY SYSTEM</b>   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                      |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.175 ACRYL | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID | females<br>(cont...)  |  |  |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|-----------------------|--|--|
|   | 0<br>7<br>4<br>4 | 0<br>7<br>2<br>5 | 0<br>7<br>4<br>4 | 0<br>5<br>8<br>6 | 0<br>6<br>4<br>8 | 0<br>5<br>9<br>6 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>5<br>9<br>3 | 0<br>5<br>7<br>0 | 0<br>7<br>4<br>4 | 0<br>7<br>3<br>8 | 0<br>7<br>0<br>0 | 0<br>7<br>4<br>3 | 0<br>7<br>4<br>3 | 0<br>7<br>4<br>1 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>3<br>8<br>3 | 0<br>6<br>9<br>0 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>3<br>3 | 0<br>5<br>7<br>8 |           |                       |  |  |
|   | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0         | 0<br>0<br>3<br>1<br>1 |  |  |
| Kidney  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         |                       |  |  |
| Leukemia Mononuclear                                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                       |  |  |
| Renal Tubule, Carcinoma                             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                       |  |  |
| Urinary Bladder                                     | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                     |  |  |
| Leukemia Mononuclear                                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                       |  |  |
| <b>SYSTEMIC LESIONS</b>                             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                       |  |  |
| Multiple Organ                                      | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                     |  |  |
| Leukemia Mononuclear                                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                       |  |  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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M .. Missing tissue  
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TDMS No. 20313 - 05  
 Test Type: CHRONIC  
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P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.175 ACRYL | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |      |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------|
|   | 0718        | 0735  | 0744  | 0679  | 0774  | 0674  | 0764  | 0674  | 0668  | 0774  | 0469  | 0669  | 0774  | 0563  | 0774  | 0684  | 0744  | 0571  | 0766  | 0667  |          | 0667 |
| ANIMAL ID   | 00132       | 00114 | 00144 | 00151 | 00111 | 00111 | 00111 | 00111 | 00111 | 00111 | 00111 | 00111 | 00111 | 00111 | 00111 | 00111 | 00111 | 00111 | 00111 | 00111 | 00111    |      |
|   | 0           | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0        | 48   |

**ALIMENTARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |               |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|
| Esophagus   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48            |
| Intestine Large, Cecum<br>Leukemia Mononuclear          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X | + | + | X | + | 48<br>2       |
| Intestine Large, Colon                                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48            |
| Intestine Large, Rectum                                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48            |
| Intestine Small, Duodenum<br>Leukemia Mononuclear       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48<br>1       |
| Intestine Small, Ileum<br>Leukemia Mononuclear          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X | + | + | 48<br>2       |
| Intestine Small, Jejunum                                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48            |
| Liver<br>Hepatocellular Adenoma<br>Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48<br>1<br>16 |
| Mesentery<br>Leukemia Mononuclear                       |   | + |   | + |   |   |   |   |   |   |   |   | + |   |   |   |   |   | + | + |   | 10<br>4       |
| Oral Mucosa<br>Squamous Cell Papilloma                  |   |   |   |   |   |   |   |   |   |   |   | + |   |   |   |   |   |   |   |   |   | 2<br>1        |
| Pancreas  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48            |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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M .. Missing tissue  
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TDMS No. 20313 - 05  
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 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.175 ACRYL | DAY ON TEST |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | * TOTALS |     |
|---|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|-----|
|   | 078         | 073 | 074 | 061 | 074 | 074 | 064 | 074 | 066 | 066 | 074 | 040 | 063 | 074 | 056 | 074 | 064 | 074 | 057 | 061 |          | 066 |
| ANIMAL ID   | 010         | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011      | 011 |
| Leukemia Mononuclear                                | X           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          | 3   |
| Salivary Glands                                     | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +        | 48  |
| Leukemia Mononuclear                                |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          | 2   |
| Stomach, Forestomach                                | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +        | 48  |
| Leukemia Mononuclear                                |             | X   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          | 3   |
| Squamous Cell Papilloma                             |             | X   |     |     |     |     |     |     | X   |     |     |     |     |     |     |     |     |     |     |     |          | 2   |
| Stomach, Glandular                                  | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +        | 48  |
| Leukemia Mononuclear                                |             | X   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          | 2   |
| <b>CARDIOVASCULAR SYSTEM</b>                        |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |     |
| Blood Vessel  | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +        | 48  |
| Heart   | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +        | 48  |
| Leukemia Mononuclear                                | X           | X   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | X   |     |          | 6   |
| <b>ENDOCRINE SYSTEM</b>                             |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |     |
| Adrenal Cortex                                      | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +        | 48  |
| Leukemia Mononuclear                                |             |     |     | X   |     |     |     |     |     |     |     |     |     |     |     | X   |     |     |     |     |          | 3   |
| Adrenal Medulla                                     | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +        | 48  |
| Leukemia Mononuclear                                | X           |     |     | X   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          | 5   |
| Pheochromocytoma Malignant                          |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          | 1   |
| Islets, Pancreatic                                  | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +        | 48  |
| Leukemia Mononuclear                                |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          | 2   |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

Acrylamide  
 CAS Number: 79-06-1

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| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.175 ACRYL | DAY ON TEST |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | * TOTALS |     |
|---|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|-----|
|   | 078         | 075 | 074 | 069 | 074 | 074 | 069 | 074 | 066 | 066 | 074 | 049 | 063 | 074 | 053 | 074 | 064 | 076 | 057 | 066 |          | 066 |
| ANIMAL ID   | 010         | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 012 | 012 | 012 | 012 | 012 | 012      |     |
| Parathyroid Gland                                   | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +        | 45  |
| Leukemia Mononuclear                                |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          | 1   |
| Pituitary Gland                                     | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +        | 47  |
| Leukemia Mononuclear                                |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          | 1   |
| Pars Distalis, Adenoma                              | X           | X   | X   |     | X   | X   | X   | X   | X   |     |     |     | X   | X   |     | X   | X   | X   | X   |     | X        | 33  |
| Thyroid Gland                                       | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +        | 48  |
| Leukemia Mononuclear                                |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          | 2   |
| C-cell, Adenoma                                     |             |     |     |     |     |     | X   |     | X   |     |     |     |     |     |     |     |     |     |     |     |          | 4   |
| C-cell, Carcinoma                                   |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          | 2   |
| Follicular Cell, Adenoma                            |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          | 1   |
| Follicular Cell, Carcinoma                          |             |     |     |     |     |     |     | X   |     |     |     |     |     |     |     |     |     |     |     |     |          | 1   |
| <b>GENERAL BODY SYSTEM</b>                          |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |     |
| Tissue NOS  |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | +        | 1   |
| Fat, Leukemia Mononuclear                           |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | X        | 1   |
| <b>GENITAL SYSTEM</b>                               |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |     |
| Clitoral Gland                                      | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | M   | +   | +   | +   | +        | 47  |
| Adenoma   | X           |     |     |     |     |     |     |     |     |     |     | X   |     |     |     |     |     |     |     | X   |          | 5   |
| Carcinoma   |             |     |     |     |     |     | X   |     | X   |     |     | X   | X   |     |     |     |     |     |     |     | X        | 12  |
| Leukemia Mononuclear                                |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          | 1   |
| Squamous Cell Papilloma                             |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          | 1   |
| Ovary   | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +        | 48  |
| Leukemia Mononuclear                                | X           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          | 2   |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.175 ACRYL | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |      |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|
|   | 0718        | 0735 | 0774 | 0619 | 0744 | 0774 | 0669 | 0764 | 0668 | 0666 | 0744 | 0409 | 0639 | 0744 | 0563 | 0744 | 0684 | 0744 | 0571 | 0625 |          | 0667 |
| ANIMAL ID   | 0010        | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0012 | 0012 | 0012 | 0012 | 0012 | 0012     |      |
| Uterus  | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 48   |
| Leukemia Mononuclear                                |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1    |
| Polyp Stromal                                       |             |      |      |      |      |      |      |      |      |      |      |      | X    |      |      |      |      |      |      |      |          | 8    |
| Polyp Stromal, Multiple                             |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | X        | 1    |
| Sarcoma Stromal                                     |             |      |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |      | X    |      |          | 3    |
| Vagina  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1    |
| <b>HEMATOPOIETIC SYSTEM</b>                         |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |
| Bone Marrow   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 48   |
| Lymph Node  | +           |      |      | +    |      |      |      | +    | +    |      |      |      | +    |      |      |      |      | +    |      | +    |          | 10   |
| Axillary, Leukemia Mononuclear                      |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1    |
| Lumbar, Leukemia Mononuclear                        |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | X    |          | 2    |
| Mediastinal, Leukemia Mononuclear                   | X           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | X    |      |          | 3    |
| Pancreatic, Leukemia Mononuclear                    |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | X    |      |          | 2    |
| Renal, Leukemia Mononuclear                         |             |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 3    |
| Lymph Node, Mandibular                              | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 48   |
| Leukemia Mononuclear                                | X           |      |      | X    |      |      |      |      |      |      |      |      |      |      |      | X    |      |      | X    |      | X        | 7    |
| Lymph Node, Mesenteric                              | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 48   |
| Leukemia Mononuclear                                | X           |      |      |      |      |      |      |      |      |      |      |      |      |      |      | X    | X    |      | X    |      | X        | 8    |
| Spleen  | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 48   |
| Leukemia Mononuclear                                | X           | X    |      | X    | X    |      |      |      |      | X    |      |      | X    |      |      | X    | X    |      | X    |      | X        | 18   |
| Thymus  | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | M    | +    | +        | 45   |

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|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|   | 0<br>7<br>1<br>8      | 0<br>7<br>3<br>5      | 0<br>7<br>4<br>4      | 0<br>6<br>1<br>9      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>6<br>4<br>9      | 0<br>7<br>4<br>4      | 0<br>6<br>5<br>8      | 0<br>6<br>7<br>6      | 0<br>4<br>0<br>9      | 0<br>6<br>3<br>9      | 0<br>7<br>4<br>4      | 0<br>5<br>6<br>3      | 0<br>7<br>4<br>4      | 0<br>6<br>8<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>7<br>1      | 0<br>6<br>1<br>6      | 0<br>6<br>2<br>5      |                       | 0<br>6<br>7<br>7      |
| ANIMAL ID   | 0<br>1<br>0<br>3<br>2 | 0<br>1<br>0<br>4<br>1 | 0<br>1<br>0<br>4<br>2 | 0<br>1<br>0<br>5<br>1 | 0<br>1<br>0<br>5<br>2 | 0<br>1<br>8<br>6<br>1 | 0<br>1<br>8<br>6<br>2 | 0<br>1<br>8<br>7<br>1 | 0<br>1<br>8<br>7<br>2 | 0<br>1<br>8<br>8<br>1 | 0<br>1<br>8<br>8<br>2 | 0<br>1<br>8<br>8<br>1 | 0<br>1<br>9<br>8<br>2 | 0<br>1<br>9<br>9<br>1 | 0<br>2<br>9<br>9<br>0 | 0<br>2<br>3<br>9<br>0 | 0<br>2<br>4<br>0<br>1 | 0<br>2<br>4<br>4<br>1 | 0<br>2<br>4<br>4<br>1 | 0<br>2<br>4<br>1<br>2 | 0<br>2<br>4<br>2<br>2 | 0<br>2<br>4<br>2<br>2 |

Leukemia Mononuclear

X

3

### INTEGUMENTARY SYSTEM

Mammary Gland  
 Adenocarcinoma  
 Fibroadenoma  
 Leukemia Mononuclear

+ + + + + + + + M + + + + + + + + + + + + + +  
 X X X X X X X X X X X X X

46  
1  
24  
1

Skin  
 Keratoacanthoma

+ +

48  
1

### MUSCULOSKELETAL SYSTEM

Bone, Femur

+ +

48

Skeletal Muscle

+ +

48

### NERVOUS SYSTEM

Brain, Brain Stem  
 Leukemia Mononuclear

+ +

48  
1

Brain, Cerebellum  
 Leukemia Mononuclear

+  
 X X X X

48  
2

Brain, Cerebrum  
 Leukemia Mononuclear

+  
 X X X X

48  
2

Peripheral Nerve, Sciatic

+ +

48

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
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|---|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|-------------------|---------|
|   | 078         | 075 | 074 | 069 | 074 | 074 | 069 | 074 | 066 | 066 | 074 | 049 | 063 | 074 | 053 | 074 | 064 | 074 | 057 | 066 |          | 066               |         |
| ANIMAL ID   | 010         | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 012 | 012 | 012 | 012 | 012 | 012      |                   |         |
| Spinal Cord, Cervical<br>Leukemia Mononuclear   | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +        | 48<br>1           |         |
| Spinal Cord, Lumbar   | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +        | 48                |         |
| Spinal Cord, Thoracic   | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +        | 48                |         |
| <b>RESPIRATORY SYSTEM</b>   |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                   |         |
| Lung<br>Alveolar/Bronchiolar Adenoma<br>Carcinoma, Metastatic, Kidney<br>Leukemia Mononuclear | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | X   | +   | +   | +   | +   | +        | 48<br>1<br>1<br>9 |         |
| Nose<br>Leukemia Mononuclear  | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +        | 48<br>1           |         |
| Trachea   | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +        | 48                |         |
| <b>SPECIAL SENSES SYSTEM</b>  |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                   |         |
| Eye<br>Leukemia Mononuclear   | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | A   | +   | +   | +        | +                 | 47<br>1 |
| Harderian Gland   | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +        | 48                |         |
| Lacrimal Gland  |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          | 1                 |         |
| <b>URINARY SYSTEM</b>   |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                   |         |

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M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.175 ACRYL | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
|   | 0718        | 0735  | 0744  | 0619  | 0744  | 0774  | 0674  | 0764  | 0674  | 0668  | 0744  | 0663  | 0744  | 0674  | 0574  | 0774  | 0664  | 0774  | 0571  | 0676  |          |
| ANIMAL ID   | 00132       | 00112 | 00114 | 00111 | 00111 | 00111 | 00111 | 00111 | 00111 | 00111 | 00111 | 00111 | 00111 | 00111 | 00111 | 00111 | 00111 | 00111 | 00111 | 00111 | 00111    |
| Kidney  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        |
| Leukemia Mononuclear                                |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |
| Renal Tubule, Carcinoma                             |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |
| Urinary Bladder                                     | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        |
| Leukemia Mononuclear                                |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |
| <b>SYSTEMIC LESIONS</b>                             |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |
| Multiple Organ                                      | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        |
| Leukemia Mononuclear                                | X           | X     |       | X     | X     |       | X     |       |       | X     |       |       | X     |       |       | X     | X     |       | X     |       | X        |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.0875 ACRYL | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | females<br>(cont...) |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------|
|  | 0711        | 0714  | 0718  | 0714  | 0722  | 0724  | 0724  | 0724  | 0724  | 0724  | 0724  | 0724  | 0724  | 0724  | 0724  | 0724  | 0724  | 0724  | 0724  | 0724  | 0724  | 0724  | 0724  | 0724  |                      |
| ANIMAL ID  | 00461       | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 |                      |

**ALIMENTARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum<br>Leukemia Mononuclear  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum<br>Leukemia Mononuclear  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver<br>Histiocytic Sarcoma<br>Leukemia Mononuclear<br>Sarcoma Stromal, Metastatic, Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Mesentery   |   |   |   |   |   | + | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Oral Mucosa<br>Squamous Cell Papilloma  |   |   |   |   |   | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Pancreas<br>Histiocytic Sarcoma   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.0875 ACRYL | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | ANIMAL ID             | females<br>(cont...)  |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|  | 0<br>7<br>1<br>1      | 0<br>7<br>4<br>4      | 0<br>7<br>1<br>8      | 0<br>7<br>4<br>4      | 0<br>5<br>2<br>6      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>6<br>1<br>3      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>8<br>6      | 0<br>7<br>4<br>3      | 0<br>7<br>4<br>3      | 0<br>6<br>6<br>1      | 0<br>7<br>2<br>4      | 0<br>7<br>4<br>4      | 0<br>6<br>1<br>7      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>3<br>3      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>6      |                       |                       |
|  | 0<br>0<br>4<br>6<br>1 | 0<br>0<br>4<br>6<br>2 | 0<br>0<br>4<br>7<br>1 | 0<br>0<br>4<br>7<br>2 | 0<br>0<br>4<br>8<br>1 | 0<br>0<br>4<br>8<br>2 | 0<br>0<br>4<br>9<br>1 | 0<br>0<br>4<br>9<br>2 | 0<br>0<br>0<br>0<br>1 | 0<br>0<br>0<br>0<br>2 | 0<br>0<br>0<br>0<br>1 | 0<br>0<br>0<br>0<br>2 | 0<br>0<br>0<br>0<br>1 | 0<br>0<br>0<br>0<br>2 | 0<br>0<br>0<br>0<br>1 | 0<br>0<br>0<br>0<br>2 | 0<br>0<br>0<br>0<br>1 | 0<br>0<br>0<br>0<br>2 | 0<br>0<br>0<br>0<br>1 | 0<br>0<br>0<br>0<br>2 | 0<br>0<br>0<br>0<br>1 | 0<br>1<br>1<br>6<br>2 | 0<br>1<br>1<br>6<br>2 | 0<br>1<br>1<br>7<br>1 | 0<br>1<br>1<br>7<br>2 | 0<br>1<br>1<br>7<br>2 |

Leukemia Mononuclear

X

Salivary Glands

+ +

Stomach, Forestomach

+ +

Stomach, Glandular

+ +

**CARDIOVASCULAR SYSTEM**

Blood Vessel

+ +

Heart

+ +

Leukemia Mononuclear

X

X

Schwannoma Malignant

X

**ENDOCRINE SYSTEM**

Adrenal Cortex

+ +

Adenoma

Leukemia Mononuclear

X

Adrenal Medulla

+ +

Leukemia Mononuclear

X

Lymphoma Malignant

X

Pheochromocytoma Malignant

X

X

Bilateral, Pheochromocytoma Malignant

Islets, Pancreatic

+ +

Adenoma

X

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
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TDMS No. 20313 - 05  
 Test Type: CHRONIC  
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 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.0875 ACRYL | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | ANIMAL ID             | females<br>(cont...) |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|
|  | 0<br>7<br>1<br>1      | 0<br>7<br>4<br>4      | 0<br>7<br>1<br>8      | 0<br>7<br>4<br>4      | 0<br>5<br>2<br>6      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>6<br>1<br>3      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>8<br>6      | 0<br>7<br>4<br>3      | 0<br>7<br>4<br>3      | 0<br>6<br>6<br>1      | 0<br>7<br>2<br>4      | 0<br>7<br>4<br>4      | 0<br>6<br>1<br>7      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>3<br>3      | 0<br>7<br>4<br>4      | 0<br>7<br>2<br>6      |                       |                      |
|  | 0<br>0<br>4<br>6<br>1 | 0<br>0<br>4<br>6<br>2 | 0<br>0<br>4<br>7<br>1 | 0<br>0<br>4<br>7<br>2 | 0<br>0<br>4<br>8<br>1 | 0<br>0<br>4<br>8<br>2 | 0<br>0<br>4<br>9<br>1 | 0<br>0<br>4<br>9<br>2 | 0<br>0<br>5<br>0<br>1 | 0<br>0<br>5<br>0<br>2 | 0<br>0<br>6<br>6<br>1 | 0<br>0<br>6<br>6<br>2 | 0<br>0<br>6<br>7<br>1 | 0<br>0<br>6<br>7<br>2 | 0<br>0<br>6<br>8<br>1 | 0<br>0<br>6<br>8<br>2 | 0<br>0<br>6<br>9<br>1 | 0<br>0<br>7<br>0<br>2 | 0<br>0<br>7<br>0<br>1 | 0<br>1<br>7<br>6<br>2 | 0<br>1<br>7<br>6<br>1 | 0<br>1<br>7<br>7<br>2 | 0<br>1<br>7<br>7<br>1 | 0<br>1<br>7<br>7<br>2 | 0<br>1<br>8<br>7<br>1 |                      |

Leukemia Mononuclear

Parathyroid Gland  
Adenoma

Pituitary Gland  
Leukemia Mononuclear  
Pars Distalis, Adenoma

Thyroid Gland  
C-cell, Adenoma

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland  
Adenoma  
Carcinoma  
Bilateral, Carcinoma

Ovary  
Histiocytic Sarcoma  
Leukemia Mononuclear

Uterus  
Histiocytic Sarcoma  
Polyp Stromal  
Sarcoma Stromal

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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M .. Missing tissue  
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TDMS No. 20313 - 05  
 Test Type: CHRONIC  
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 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
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 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.0875 ACRYL | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | females<br>(cont...) |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|
|  | 0<br>7<br>1<br>1      | 0<br>7<br>4<br>4      | 0<br>7<br>1<br>8      | 0<br>7<br>4<br>4      | 0<br>5<br>2<br>6      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>6<br>1<br>3      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>8<br>6      | 0<br>7<br>4<br>3      | 0<br>7<br>4<br>3      | 0<br>6<br>6<br>1      | 0<br>7<br>2<br>4      | 0<br>7<br>4<br>4      | 0<br>6<br>1<br>7      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>3<br>3      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>6      |                      |
| ANIMAL ID  | 0<br>0<br>4<br>6<br>1 | 0<br>0<br>4<br>6<br>2 | 0<br>0<br>4<br>7<br>1 | 0<br>0<br>4<br>7<br>2 | 0<br>0<br>4<br>8<br>1 | 0<br>0<br>4<br>8<br>2 | 0<br>0<br>4<br>9<br>1 | 0<br>0<br>4<br>9<br>2 | 0<br>0<br>5<br>0<br>1 | 0<br>0<br>5<br>0<br>2 | 0<br>0<br>6<br>6<br>1 | 0<br>0<br>6<br>6<br>2 | 0<br>0<br>6<br>7<br>1 | 0<br>0<br>6<br>7<br>2 | 0<br>0<br>6<br>8<br>1 | 0<br>0<br>6<br>8<br>2 | 0<br>0<br>6<br>9<br>1 | 0<br>0<br>7<br>0<br>2 | 0<br>0<br>7<br>0<br>1 | 0<br>0<br>7<br>0<br>2 | 0<br>1<br>2<br>6<br>1 | 0<br>1<br>2<br>6<br>2 | 0<br>1<br>2<br>7<br>1 | 0<br>1<br>2<br>7<br>2 |                      |
| Endometrium, Adenoma                                 |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                      |
| Vagina   |                       |                       |                       |                       |                       |                       |                       |                       | +                     |                       |                       |                       |                       |                       | +                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                      |

### HEMATOPOIETIC SYSTEM

|                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |   |   |   |   |   | + |   |   | + |
| Axillary, Leukemia Mononuclear      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Cervical, Leukemia Mononuclear      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Deep Cervical, Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Inguinal, Leukemia Mononuclear      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lumbar, Leukemia Mononuclear        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |
| Mediastinal, Leukemia Mononuclear   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |
| Pancreatic, Leukemia Mononuclear    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Renal, Leukemia Mononuclear         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymph Node, Mandibular              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear                |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |
| Lymph Node, Mesenteric              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear                |   |   |   |   |   |   |   |   | X |   |   |   |   |   | X |   |   |   |   |   | X |   |   |   |
| Spleen                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear                |   |   |   |   |   | X | X |   | X |   |   |   | X | X | X | X |   | X | X |   |   | X |   |   |
| Thymus                              | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear                |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.0875 ACRYL | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | ANIMAL ID | females<br>(cont...) |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------|----------------------|
|  | 0<br>7<br>1<br>1      | 0<br>7<br>4<br>4      | 0<br>7<br>1<br>8      | 0<br>7<br>4<br>4      | 0<br>5<br>2<br>6      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>6<br>1<br>3      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>8<br>6      | 0<br>7<br>4<br>3      | 0<br>7<br>4<br>3      | 0<br>6<br>6<br>1      | 0<br>7<br>2<br>4      | 0<br>7<br>4<br>4      | 0<br>6<br>1<br>7      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>3      | 0<br>7<br>4<br>3      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>6      |                       |           |                      |
|  | 0<br>0<br>4<br>6<br>1 | 0<br>0<br>4<br>6<br>2 | 0<br>0<br>4<br>7<br>1 | 0<br>0<br>4<br>7<br>2 | 0<br>0<br>4<br>8<br>1 | 0<br>0<br>4<br>8<br>2 | 0<br>0<br>4<br>9<br>1 | 0<br>0<br>4<br>9<br>2 | 0<br>0<br>5<br>0<br>1 | 0<br>0<br>5<br>0<br>2 | 0<br>0<br>6<br>6<br>1 | 0<br>0<br>6<br>6<br>2 | 0<br>0<br>6<br>7<br>1 | 0<br>0<br>6<br>7<br>2 | 0<br>0<br>6<br>8<br>1 | 0<br>0<br>6<br>8<br>2 | 0<br>0<br>6<br>9<br>1 | 0<br>0<br>7<br>9<br>2 | 0<br>0<br>7<br>0<br>1 | 0<br>0<br>7<br>6<br>2 | 0<br>1<br>2<br>6<br>1 | 0<br>1<br>2<br>7<br>2 | 0<br>1<br>2<br>7<br>1 | 0<br>1<br>2<br>7<br>2 | 0<br>1<br>2<br>8<br>1 |           |                      |

**INTEGUMENTARY SYSTEM**

|                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenocarcinoma          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |
| Fibroadenoma            |   |   |   |   |   | X | X |   | X | X |   | X |   |   |   |   |   | X | X |   | X | X | X | X | X |
| Skin                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Squamous Cell Papilloma |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**MUSCULOSKELETAL SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone, Femur                               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skeletal Muscle                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Subcutaneous Tissue, Schwannoma Malignant |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**NERVOUS SYSTEM**

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain, Brain Stem         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Brain, Cerebellum         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Brain, Cerebrum           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Astrocytoma Nos           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spinal Cord, Cervical     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spinal Cord, Lumbar       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically



TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.0875 ACRYL | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | ANIMAL ID             | females<br>(cont...) |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|
|  | 0<br>7<br>1<br>1      | 0<br>7<br>4<br>4      | 0<br>7<br>1<br>8      | 0<br>7<br>4<br>4      | 0<br>5<br>2<br>6      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>6<br>1<br>3      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>8<br>6      | 0<br>7<br>4<br>3      | 0<br>7<br>4<br>3      | 0<br>6<br>6<br>1      | 0<br>7<br>2<br>4      | 0<br>7<br>4<br>4      | 0<br>6<br>7<br>7      | 0<br>7<br>4<br>4      | 0<br>6<br>7<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>3      | 0<br>7<br>4<br>3      | 0<br>7<br>4<br>4      |                       |                      |
|  | 0<br>0<br>4<br>6<br>1 | 0<br>0<br>4<br>6<br>2 | 0<br>0<br>4<br>7<br>1 | 0<br>0<br>4<br>7<br>2 | 0<br>0<br>4<br>8<br>1 | 0<br>0<br>4<br>8<br>2 | 0<br>0<br>4<br>9<br>1 | 0<br>0<br>4<br>9<br>2 | 0<br>0<br>5<br>0<br>1 | 0<br>0<br>5<br>0<br>2 | 0<br>0<br>6<br>6<br>1 | 0<br>0<br>6<br>6<br>2 | 0<br>0<br>6<br>7<br>1 | 0<br>0<br>6<br>7<br>2 | 0<br>0<br>6<br>8<br>1 | 0<br>0<br>6<br>8<br>2 | 0<br>0<br>6<br>9<br>1 | 0<br>0<br>7<br>9<br>2 | 0<br>0<br>7<br>0<br>1 | 0<br>0<br>7<br>0<br>2 | 0<br>1<br>2<br>6<br>1 | 0<br>1<br>2<br>6<br>2 | 0<br>1<br>2<br>7<br>1 | 0<br>1<br>2<br>7<br>2 | 0<br>1<br>2<br>8<br>1 |                      |

Spinal Cord, Thoracic

+ +

**RESPIRATORY SYSTEM**

Lung + + + + + X +  
 Leukemia Mononuclear X X X X  
 Sarcoma Stromal, Metastatic, Uterus X

Nose +

Trachea +

**SPECIAL SENSES SYSTEM**

Eye +

Harderian Gland +

Lacrimal Gland +

Zymbal's Gland +  
 Carcinoma X

**URINARY SYSTEM**

Kidney +  
 Lymphoma Malignant X

Urinary Bladder +  
 Leukemia Mononuclear

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
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TDMS No. 20313 - 05  
 Test Type: CHRONIC  
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P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
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|   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                                       |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------------------------------|
| <b>FISCHER 344 RATS-NCTR RATS<br/>         FEMALE<br/>         0.0875 ACRYL</b> | DAY ON TEST | 0711  | 0744  | 0778  | 0774  | 0574  | 0774  | 0774  | 0674  | 0774  | 0774  | 0578  | 0774  | 0774  | 0676  | 0774  | 0774  | 0677  | 0774  | 0774  | 0774  | 0773  | 0774  | 0776  | <b>females<br/>         (cont...)</b> |
|   | ANIMAL ID   | 00461 | 00442 | 00441 | 00442 | 00441 | 00442 | 00441 | 00442 | 00441 | 00442 | 00441 | 00442 | 00441 | 00442 | 00441 | 00442 | 00441 | 00442 | 00441 | 00442 | 00441 | 00442 | 00441 |                                       |
|   |             | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |                                       |

**SYSTEMIC LESIONS**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Multiple Organ       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Leukemia Mononuclear |   |   |   |   | X | X |   | X |   |   |   |   | X | X | X | X |   | X | X |   |   | X |   |   |
| Lymphoma Malignant   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
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TDMS No. 20313 - 05  
 Test Type: CHRONIC  
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 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
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 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.0875 ACRYL | DAY ON TEST |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ANIMAL ID |   |                 |    |
|--|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----------|---|-----------------|----|
|  | 06          | 06 | 07 | 07 | 07 | 07 | 07 | 06 | 06 | 07 | 07 | 05 | 05 | 07 | 07 | 07 | 07 | 07 | 05 | 05 |           |   | 07              | 07 |
|  | 0           | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0         | 0 | 0               |    |
|  | 6           | 6  | 7  | 7  | 7  | 7  | 6  | 6  | 7  | 7  | 5  | 5  | 7  | 7  | 7  | 7  | 7  | 5  | 5  | 7  | 7         | 7 | 7               |    |
|  | 0           | 8  | 4  | 4  | 4  | 4  | 7  | 4  | 4  | 4  | 2  | 8  | 3  | 4  | 4  | 4  | 4  | 2  | 3  | 4  | 4         | 4 | 0               |    |
|  | 6           | 3  | 4  | 4  | 4  | 4  | 5  | 5  | 4  | 4  | 0  | 5  | 1  | 4  | 4  | 4  | 4  | 9  | 3  | 4  | 4         | 4 | 0               |    |
|  | 0           | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0         | 0 | 0               |    |
|  | 1           | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 2  | 2  | 2  | 2  | 2         | 2 | 2               |    |
|  | 2           | 2  | 2  | 3  | 3  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 6  | 6  | 2  | 2  | 2  | 2  | 2  | 2         | 2 | 2               |    |
|  | 8           | 9  | 9  | 0  | 0  | 6  | 6  | 7  | 7  | 8  | 8  | 9  | 9  | 0  | 0  | 2  | 2  | 3  | 3  | 4  | 4         | 4 | 5               |    |
|  | 2           | 1  | 2  | 1  | 2  | 1  | 2  | 1  | 2  | 1  | 2  | 1  | 2  | 1  | 2  | 1  | 2  | 1  | 2  | 1  | 2         | 1 | 2               |    |
|  |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |           |   | <b>* TOTALS</b> |    |

**ALIMENTARY SYSTEM**

|                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Intestine Large, Cecum              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear                |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   | 1  |
| Intestine Large, Colon              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Intestine Large, Rectum             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Intestine Small, Duodenum           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Intestine Small, Ileum              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Intestine Small, Jejunum            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Liver                               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Histiocytic Sarcoma                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   | 1  |
| Leukemia Mononuclear                |   |   |   |   |   | X | X |   | X | X | X |   |   |   |   |   |   |   |   | X |   | X |   | 15 |
| Sarcoma Stromal, Metastatic, Uterus |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Mesentery                           | + |   | + |   | + | + |   |   |   |   | + |   |   |   |   |   | + |   |   |   |   |   |   | 9  |
| Oral Mucosa                         |   |   | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Squamous Cell Papilloma             |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Pancreas                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Histiocytic Sarcoma                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   | 1  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
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TDMS No. 20313 - 05  
 Test Type: CHRONIC  
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 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
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 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.0875 ACRYL | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |      |      |      |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|------|
|  | 0606        | 0608 | 0607 | 0604 | 0607 | 0607 | 0607 | 0606 | 0606 | 0607 | 0607 | 0605 | 0605 | 0607 | 0607 | 0607 | 0607 | 0605 | 0605 | 0607 |          | 0607 | 0607 | 0607 |
| ANIMAL ID  | 01          | 01   | 01   | 01   | 01   | 01   | 01   | 01   | 01   | 01   | 01   | 01   | 01   | 01   | 01   | 01   | 01   | 01   | 01   | 01   | 01       | 01   | 01   |      |
| Leukemia Mononuclear                                 |             |      |      |      |      |      |      |      |      |      |      |      |      |      | X    |      |      |      |      |      |          |      |      | 2    |
| Salivary Glands                                      | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | 48   |
| Stomach, Forestomach                                 | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | 48   |
| Stomach, Glandular                                   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | 48   |
| <b>CARDIOVASCULAR SYSTEM</b>                         |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |
| Blood Vessel   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | 48   |
| Heart  | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | 48   |
| Leukemia Mononuclear                                 |             |      |      |      |      |      |      |      |      |      |      |      |      |      | X    |      |      |      |      |      |          |      |      | 3    |
| Schwannoma Malignant                                 |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      | 1    |
| <b>ENDOCRINE SYSTEM</b>                              |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |
| Adrenal Cortex                                       | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | 48   |
| Adenoma  |             |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      | 1    |
| Leukemia Mononuclear                                 |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | X        |      |      | 2    |
| Adrenal Medulla                                      | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | 48   |
| Leukemia Mononuclear                                 |             |      |      |      |      |      |      |      |      |      |      |      |      |      | X    |      |      |      |      |      |          |      |      | 2    |
| Lymphoma Malignant                                   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      | 1    |
| Pheochromocytoma Malignant                           |             |      |      |      |      |      |      |      |      |      |      |      |      |      | X    |      |      |      |      |      |          |      |      | 3    |
| Bilateral, Pheochromocytoma Malignant                |             |      |      |      |      |      |      |      |      |      |      |      |      | X    |      |      |      |      |      |      |          |      |      | 1    |
| Islets, Pancreatic                                   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | 48   |
| Adenoma  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      | 1    |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.0875 ACRYL        | DAY ON TEST |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | * TOTALS |     |   |   |   |   |   |   |   |   |   |    |    |    |    |
|---|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|-----|---|---|---|---|---|---|---|---|---|----|----|----|----|
|   | 066         | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 |          | 067 |   |   |   |   |   |   |   |   |   |    |    |    |    |
| ANIMAL ID   | 012         | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011      |     |   |   |   |   |   |   |   |   |   |    |    |    |    |
| Leukemia Mononuclear  |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          | X   | 1 |   |   |   |   |   |   |   |   |    |    |    |    |
| Parathyroid Gland Adenoma                                   | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +        | M   | + | + | + | + | + | + | + | + | + | 47 |    |    |    |
| Pituitary Gland Leukemia Mononuclear Pars Distalis, Adenoma | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +        | +   | + | + | + | + | + | + | + | + | + | +  | 48 |    |    |
| Thyroid Gland C-cell, Adenoma                               | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +        | +   | + | + | + | + | + | + | + | + | + | +  | 48 |    |    |
|   |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |     |   |   |   |   |   |   |   |   |   |    |    | 4  |    |
| <b>GENERAL BODY SYSTEM</b>                                  |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |     |   |   |   |   |   |   |   |   |   |    |    |    |    |
| NONE  |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |     |   |   |   |   |   |   |   |   |   |    |    |    |    |
| <b>GENITAL SYSTEM</b>                                       |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |     |   |   |   |   |   |   |   |   |   |    |    |    |    |
| Clitoral Gland Adenoma                                      | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +        | +   | + | + | + | + | + | + | + | + | + | +  | 48 |    |    |
| Clitoral Gland Carcinoma                                    |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |     |   |   |   |   |   |   |   |   |   |    |    | 7  |    |
| Clitoral Gland Bilateral, Carcinoma                         |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |     |   |   |   |   |   |   |   |   |   |    |    | 5  |    |
| Ovary Histiocytic Sarcoma                                   | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +        | +   | + | + | + | + | + | + | + | + | + | +  | +  | 48 |    |
| Ovary Leukemia Mononuclear                                  |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |     |   |   |   |   |   |   |   |   |   |    |    |    | 1  |
| Uterus Histiocytic Sarcoma                                  |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |     |   |   |   |   |   |   |   |   |   |    |    |    | 3  |
| Uterus Polyp Stromal  |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |     |   |   |   |   |   |   |   |   |   |    |    |    | 48 |
| Uterus Sarcoma Stromal                                      |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |     |   |   |   |   |   |   |   |   |   |    |    |    | 1  |
|   | X           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |     |   |   |   |   |   |   |   |   |   |    |    |    | 12 |
|   |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |     |   |   |   |   |   |   |   |   |   |    |    |    | 4  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.0875 ACRYL | DAY ON TEST |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | * TOTALS |    |
|--|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|----|
|  | 06          | 06  | 07  | 07  | 07  | 07  | 06  | 06  | 07  | 07  | 05  | 05  | 07  | 07  | 07  | 07  | 05  | 05  | 07  | 07  |          | 07 |
| ANIMAL ID  | 006         | 008 | 004 | 004 | 004 | 004 | 007 | 004 | 004 | 004 | 002 | 008 | 003 | 004 | 004 | 004 | 002 | 003 | 004 | 004 | 004      |    |
|  | 011         | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011      |    |
|  | 228         | 229 | 229 | 223 | 223 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 226 | 226 | 222 | 222 | 222 | 222 | 223 | 224 | 224      |    |
|  | 221         | 222 | 221 | 221 | 221 | 226 | 227 | 221 | 222 | 228 | 221 | 222 | 221 | 222 | 221 | 222 | 223 | 222 | 224 | 225 | 225      |    |

Endometrium, Adenoma

X

1

Vagina

+

+

4

**HEMATOPOIETIC SYSTEM**

Bone Marrow

+ +

48

Lymph Node

+ + + + +

9

Axillary, Leukemia Mononuclear

X X

3

Cervical, Leukemia Mononuclear

X

1

Deep Cervical, Leukemia Mononuclear

X

1

Inguinal, Leukemia Mononuclear

X

1

Lumbar, Leukemia Mononuclear

X

3

Mediastinal, Leukemia Mononuclear

X X

4

Pancreatic, Leukemia Mononuclear

X X X

4

Renal, Leukemia Mononuclear

X X

3

Lymph Node, Mandibular

+ +

48

Leukemia Mononuclear

X X

5

Lymph Node, Mesenteric

+ + + + + + + + + + M + + + + + + + + + +

47

Leukemia Mononuclear

X X X

7

Spleen

+ +

48

Leukemia Mononuclear

X X X X X X

19

Thymus

+ +

47

Leukemia Mononuclear

X

3

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
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TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.0875 ACRYL | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |       |       |       |       |       |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|-------|-------|
|  | 0606        | 0608  | 0607  | 0607  | 0607  | 0607  | 0607  | 0606  | 0606  | 0607  | 0607  | 0605  | 0605  | 0607  | 0607  | 0607  | 0607  | 0605  | 0605  | 0607  |          | 0607  | 0607  | 0607  |       |       |
| ANIMAL ID  | 01282       | 01122 | 01122 | 01133 | 01133 | 01155 | 01155 | 01155 | 01155 | 01155 | 01155 | 01155 | 01155 | 01166 | 01166 | 01222 | 01222 | 01222 | 01222 | 01222 | 01233    | 01233 | 01244 | 01244 | 01255 | 01255 |
|  | 0           | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0        | 0     | 0     | 0     | 0     | 0     |

**INTEGUMENTARY SYSTEM**

|                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Mammary Gland           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Adenocarcinoma          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Fibroadenoma            |   |   | X |   |   | X |   | X |   |   |   |   |   | X | X |   |   | X | X |   |   |   |   |   |   | 18 |
| Skin                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Squamous Cell Papilloma |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   | 1  |

**MUSCULOSKELETAL SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone, Femur                               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Skeletal Muscle                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Subcutaneous Tissue, Schwannoma Malignant |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |

**NERVOUS SYSTEM**

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Brain, Brain Stem         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Brain, Cerebellum         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Brain, Cerebrum           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Astrocytoma Nos           |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   | 1  |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Spinal Cord, Cervical     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Spinal Cord, Lumbar       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.0875 ACRYL | DAY ON TEST |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | * TOTALS |    |    |    |
|--|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|----|----|----|
|  | 06          | 06 | 07 | 07 | 07 | 07 | 06 | 06 | 07 | 07 | 05 | 05 | 07 | 07 | 07 | 07 | 07 | 05 | 05 | 07 |          | 07 | 07 | 07 |
| ANIMAL ID  | 01          | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 02 | 02 | 02 | 02 | 02       | 02 | 02 | 02 |
| Spinal Cord, Thoracic                                | +           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +        | +  | +  | 48 |
| <b>RESPIRATORY SYSTEM</b>                            |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |    |
| Lung   | +           | +  | +  | +  | +  | X  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +        | +  | +  | 48 |
| Leukemia Mononuclear                                 |             |    |    |    |    | X  | X  |    | X  |    |    | X  |    |    |    |    |    |    |    |    |          | X  |    | 9  |
| Sarcoma Stromal, Metastatic, Uterus                  |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    | 1  |
| Nose   | +           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +        | +  | +  | 48 |
| Trachea  | +           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +        | +  | +  | 48 |
| <b>SPECIAL SENSES SYSTEM</b>                         |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |    |
| Eye  | +           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +        | +  | +  | 48 |
| Harderian Gland                                      | +           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +        | +  | +  | 48 |
| Lacrimal Gland                                       |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    | 1  |
| Zymbal's Gland                                       |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    | 1  |
| Carcinoma  |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    | 1  |
| <b>URINARY SYSTEM</b>                                |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |    |
| Kidney   | +           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +        | +  | +  | 48 |
| Lymphoma Malignant                                   |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    | 1  |
| Urinary Bladder                                      | +           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +        | +  | +  | 48 |
| Leukemia Mononuclear                                 |             |    |    |    |    |    |    |    |    |    |    |    | X  |    |    |    |    |    |    |    |          |    |    | 1  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically



TDMS No. 20313 - 05  
 Test Type: CHRONIC  
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P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
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 Lab: NCTR

|  |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |
|--|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|
| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>0.0875 ACRYL | DAY ON TEST | 06 | 06 | 07 | 07 | 07 | 07 | 07 | 06 | 06 | 07 | 07 | 05 | 05 | 07 | 07 | 07 | 07 | 05 | 05 | 07 | 07 | 07 | 07 |          |
|  | ANIMAL ID   | 06 | 08 | 04 | 04 | 04 | 04 | 07 | 04 | 04 | 04 | 02 | 08 | 03 | 04 | 04 | 04 | 04 | 02 | 03 | 04 | 04 | 04 | 00 |          |
|  |             | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02       |
|  | 02          | 02 | 02 | 03 | 03 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 06 | 06 | 02 | 02 | 02 | 02 | 03 | 04 | 04 | 05 | 05 |          |
|  | 02          | 01 | 02 | 01 | 02 | 01 | 02 | 01 | 02 | 01 | 02 | 01 | 02 | 01 | 02 | 01 | 02 | 01 | 02 | 01 | 02 | 01 | 02 | 02 | * TOTALS |

**SYSTEMIC LESIONS**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Multiple Organ       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Histiocytic Sarcoma  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   | 1  |
| Leukemia Mononuclear |   |   |   | X |   | X | X |   | X |   | X | X | X |   |   |   |   |   |   |   | X |   | X | 19 |
| Lymphoma Malignant   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

|  |   | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | females<br>(cont...) |
|--|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|
|  |   | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                      |
| <b>FISCHER 344 RATS-NCTR RATS<br/>FEMALE</b> |   | 7           | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 |                      |
|  |   | 4           | 9 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 1 | 4 | 4 | 4 | 4 | 4 | 6 | 4 | 4 | 8 | 4 | 4 | 4 | 4 |                      |
| <b>CONTROL WATER</b>                         |   | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                      |
|  |   | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |                      |
|  |   | 1           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 7 |                      |
|  |   | 6           | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 1 |                      |
|  | 1 | 2           | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 |   |                      |

**ALIMENTARY SYSTEM**

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Mesothelioma Malignant    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Intestine Large, Cecum    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + |
| Intestine Large, Rectum   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + |
| Liver                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear      | X | X | X |   |   |   |   |   | X | X |   |   |   |   | X | X | X |   |   |   |   |   |   |   |
| Mesentery                 |   | + |   |   |   |   | + |   |   |   |   |   |   |   |   | + |   |   |   |   |   |   |   |   |
| Leukemia Mononuclear      |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mesothelioma Malignant    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Pancreas                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear      |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |
| Salivary Glands           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear      |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
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P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
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 Lab: NCTR

|                                      |               | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | females<br>(cont...) |
|--------------------------------------|---------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|
| FISCHER 344 RATS-NCTR RATS<br>FEMALE | CONTROL WATER |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                      |
|                                      |               | ANIMAL ID             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                      |
|                                      |               | 0<br>7<br>4<br>4      | 0<br>6<br>9<br>6      | 0<br>7<br>3<br>2      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>1<br>8      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>6<br>6<br>3      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>6<br>8<br>7      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      |                       |                      |
|                                      |               | 0<br>0<br>1<br>6<br>1 | 0<br>0<br>1<br>6<br>2 | 0<br>0<br>1<br>7<br>1 | 0<br>0<br>1<br>7<br>2 | 0<br>0<br>1<br>8<br>1 | 0<br>0<br>1<br>8<br>2 | 0<br>0<br>1<br>9<br>1 | 0<br>0<br>5<br>9<br>2 | 0<br>0<br>5<br>6<br>1 | 0<br>0<br>5<br>7<br>1 | 0<br>0<br>5<br>8<br>2 | 0<br>0<br>5<br>8<br>1 | 0<br>0<br>5<br>9<br>2 | 0<br>0<br>4<br>9<br>1 | 0<br>0<br>4<br>9<br>2 | 0<br>0<br>4<br>6<br>1 | 0<br>0<br>4<br>6<br>2 | 0<br>0<br>4<br>6<br>1 | 0<br>0<br>4<br>6<br>1 | 0<br>0<br>4<br>7<br>2 | 0<br>0<br>4<br>7<br>1 | 0<br>0<br>4<br>7<br>2 | 0<br>0<br>4<br>8<br>1 | 0<br>0<br>4<br>8<br>2 |                      |

Stomach, Forestomach

+ +

Stomach, Glandular

+ +

### CARDIOVASCULAR SYSTEM

Blood Vessel

+ +

Heart

+ +

Leukemia Mononuclear

X

Schwannoma Malignant

X

### ENDOCRINE SYSTEM

Adrenal Cortex

+ +

Adenoma

Leukemia Mononuclear

X

Adrenal Medulla

+ +

Leukemia Mononuclear

X

Pheochromocytoma Malignant

X

Islets, Pancreatic

+ +

Adenoma

Parathyroid Gland

+ M + + + +

Pituitary Gland

+ +

Leukemia Mononuclear

X

Pars Distalis, Adenoma

X X

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
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Acrylamide  
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|  |                      | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | females<br>(cont...) |
|--|----------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------|
|  |                      | 0744        | 0696  | 0732  | 0744  | 0774  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  |                      |
| <b>FISCHER 344 RATS-NCTR RATS FEMALE</b> | <b>CONTROL WATER</b> | 00161       | 00161 | 00161 | 00161 | 00161 | 00161 | 00161 | 00161 | 00161 | 00161 | 00161 | 00161 | 00161 | 00161 | 00161 | 00161 | 00161 | 00161 | 00161 | 00161 | 00161 | 00161 | 00161 | 00161 |                      |
|  | <b>ANIMAL ID</b>     | 1161        | 2161  | 1161  | 2161  | 1161  | 2161  | 1161  | 2161  | 1161  | 2161  | 1161  | 2161  | 1161  | 2161  | 1161  | 2161  | 1161  | 2161  | 1161  | 2161  | 1161  | 2161  | 1161  | 2161  |                      |

|                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Thyroid Gland     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| C-cell, Adenoma   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| C-cell, Carcinoma |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

|                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma                     |   |   |   | X | X |   | X |   |   |   |   |   |   |   |   |   | X | X |   |   |   |   | X | X |   |
| Carcinoma                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Leukemia Mononuclear        |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Ovary                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Granulosa Cell Tumor Benign |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Leukemia Mononuclear        |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Uterus                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear        |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Polyp Stromal               |   |   | X |   |   | X | X |   | X |   |   |   |   | X |   |   |   |   |   | X |   |   |   |   |   |
| Vagina                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**HEMATOPOIETIC SYSTEM**

|             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node  |   | + | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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| DAY ON TEST                                 | FISCHER 344 RATS-NCTR RATS FEMALE CONTROL WATER |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ANIMAL ID | females (cont...) |      |
|---|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|-------------------|------|
|   | 0744  | 0696 | 0732 | 0744 | 0774 | 0774 | 0774 | 0774 | 0774 | 0774 | 0774 | 0774 | 0774 | 0774 | 0774 | 0774 | 0774 | 0774 | 0774 | 0774 | 0774 | 0774 | 0774 | 0774 |           |                   | 0774 |
|   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0         | 001161            |      |
| Mediastinal, Leukemia Mononuclear           |   |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           | X                 |      |
| Pancreatic, Leukemia Mononuclear            |   | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           | X                 |      |
| Renal, Leukemia Mononuclear                 |   | X    | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           | X                 |      |
| Lymph Node, Mandibular Leukemia Mononuclear | +   | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         | +                 |      |
| Lymph Node, Mesenteric Leukemia Mononuclear | +   | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         | +                 |      |
| Spleen Leukemia Mononuclear                 | +   | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         | +                 |      |
| Thymus Leukemia Mononuclear                 | +   | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         | +                 |      |
| <b>INTEGUMENTARY SYSTEM</b>                 |   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                   |      |
| Mammary Gland Adenocarcinoma                | +   | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         | +                 |      |
| Fibroadenoma                                |   | X    |      |      |      | X    |      |      |      |      | X    | X    | X    |      |      |      |      | X    |      |      |      | X    | X    |      |           |                   |      |
| Skin Basal Cell Carcinoma                   | +   | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         | +                 |      |
| Subcutaneous Tissue, Fibroma                |   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           | X                 |      |
| <b>MUSCULOSKELETAL SYSTEM</b>               |   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                   |      |
| Bone, Femur                                 | +   | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         | +                 |      |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>CONTROL WATER | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID | females<br>(cont...) |                  |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|------------------|
|   | 0<br>7<br>4<br>4 | 0<br>6<br>9<br>6 | 0<br>7<br>3<br>2 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 | 0<br>7<br>4<br>4 |           |                      | 0<br>7<br>4<br>4 |
| Skeletal Muscle                                       | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                |
| <b>NERVOUS SYSTEM</b>                                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |
| Brain, Brain Stem<br>Leukemia Mononuclear             | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                |
| Brain, Cerebellum<br>Leukemia Mononuclear             | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                |
| Brain, Cerebrum<br>Leukemia Mononuclear               | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                |
| Peripheral Nerve, Sciatic                             | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                |
| Spinal Cord, Cervical<br>Leukemia Mononuclear         | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                |
| Spinal Cord, Lumbar<br>Leukemia Mononuclear           | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                |
| Spinal Cord, Thoracic<br>Leukemia Mononuclear         | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                |
| <b>RESPIRATORY SYSTEM</b>                             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |
| Lung<br>Alveolar/Bronchiolar Adenoma                  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                |
| Alveolar/Bronchiolar Adenoma, Multiple                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |
| Leukemia Mononuclear                                  | X                | X                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

|  |                  | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | females<br>(cont...) |
|--|------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|
|  |                  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                      |
| <b>FISCHER 344 RATS-NCTR RATS<br/>FEMALE</b> |                  | 7           | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 |                      |
|  |                  | 4           | 9 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 1 | 4 | 4 | 4 | 4 | 4 | 6 | 4 | 4 | 8 | 4 | 4 | 4 | 4 |                      |
| <b>CONTROL WATER</b>                         |                  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                      |
|  | <b>ANIMAL ID</b> | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |                      |
|  |                  | 1           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |   |                      |
|  |                  | 6           | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 |   |                      |
|  |                  | 1           | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 |   |                      |
| Nose   |                  | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |                      |
| Leukemia Mononuclear                         |                  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |
| Trachea                                      |                  | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |                      |
| <b>SPECIAL SENSES SYSTEM</b>                 |                  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |
| Eye  |                  | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + |   |                      |
| Harderian Gland                              |                  | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |                      |
| <b>URINARY SYSTEM</b>                        |                  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |
| Kidney                                       |                  | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |                      |
| Leukemia Mononuclear                         |                  |             | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |
| Renal Tubule, Adenoma                        |                  |             |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |
| Urinary Bladder                              |                  | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |                      |
| Leukemia Mononuclear                         |                  |             | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |
| <b>SYSTEMIC LESIONS</b>                      |                  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |
| Multiple Organ                               |                  | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |                      |
| Leukemia Mononuclear                         |                  | X           | X | X |   |   |   |   |   | X |   | X |   |   |   | X |   | X | X |   |   |   |   |   |   |                      |
| Mesothelioma Malignant                       |                  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

|  | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|
| <b>FISCHER 344 RATS-NCTR RATS FEMALE</b> | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               |   |
|  | 7           | 7 | 6 | 5 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 4 | 6 | 7 | 7 | 5               | 7 |
| <b>CONTROL WATER</b>                     | 4           | 4 | 9 | 5 | 7 | 4 | 4 | 0 | 4 | 4 | 4 | 6 | 4 | 7 | 4 | 4 | 4 | 7 | 8 | 4 | 4               |   |
|  | 4           | 4 | 8 | 3 | 2 | 4 | 4 | 6 | 4 | 4 | 4 | 6 | 4 | 7 | 4 | 4 | 4 | 0 | 4 | 4 | 0               | 4 |
|  | ANIMAL ID   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |
|  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               |   |
|  | 1           | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2               |   |
|  | 7           | 7 | 7 | 7 | 7 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 4 | 4 | 4 | 5               | 5 |
|  | 1           | 2 | 2 | 3 | 3 | 4 | 4 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 7 | 7 | 8 | 8 | 9 | 9               | 0 |
|  | 2           | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2               | 2 |
|  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>* TOTALS</b> |   |

**ALIMENTARY SYSTEM**

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Mesothelioma Malignant    |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Intestine Large, Cecum    | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Intestine Large, Colon    | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Intestine Large, Rectum   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Intestine Small, Ileum    | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Intestine Small, Jejunum  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | 46 |
| Liver                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   | X | 10 |
| Mesentery                 | + |   |   |   |   |   |   | + |   |   |   |   | + |   |   |   |   | + |   |   |   | 7  |
| Leukemia Mononuclear      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Mesothelioma Malignant    |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Pancreas                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Salivary Glands           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically



TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>CONTROL WATER | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |                       |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|   | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>6<br>9<br>8      | 0<br>5<br>5<br>3      | 0<br>5<br>7<br>2      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>0<br>6      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>6<br>6<br>6      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>4<br>7<br>0      | 0<br>6<br>8<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>9<br>0      |                       | 0<br>7<br>4<br>4      |
| ANIMAL ID   | 0<br>1<br>7<br>1<br>2 | 0<br>1<br>7<br>1<br>2 | 0<br>1<br>7<br>2<br>2 | 0<br>1<br>7<br>3<br>1 | 0<br>1<br>7<br>3<br>2 | 0<br>1<br>7<br>4<br>1 | 0<br>1<br>7<br>4<br>2 | 0<br>2<br>0<br>1<br>2 | 0<br>2<br>0<br>1<br>2 | 0<br>2<br>0<br>1<br>2 | 0<br>2<br>0<br>2<br>2 | 0<br>2<br>0<br>2<br>2 | 0<br>2<br>0<br>2<br>2 | 0<br>2<br>0<br>2<br>1 | 0<br>2<br>0<br>4<br>7 | 0<br>2<br>0<br>4<br>7 | 0<br>2<br>0<br>4<br>8 | 0<br>2<br>0<br>4<br>8 | 0<br>2<br>0<br>4<br>9 | 0<br>2<br>0<br>5<br>9 | 0<br>2<br>0<br>5<br>0 | 0<br>2<br>0<br>5<br>0 |
| Stomach, Forestomach                                  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Stomach, Glandular                                    | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| <b>CARDIOVASCULAR SYSTEM</b>                          |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Blood Vessel  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Heart   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Leukemia Mononuclear                                  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Schwannoma Malignant                                  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       | 2                     |
| <b>ENDOCRINE SYSTEM</b>                               |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Adrenal Cortex  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Adenoma   |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Leukemia Mononuclear                                  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Adrenal Medulla                                       | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Leukemia Mononuclear                                  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     |
| Pheochromocytoma Malignant                            |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       | 2                     |
| Islets, Pancreatic                                    | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Adenoma   | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Parathyroid Gland                                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 47                    |
| Pituitary Gland                                       | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Leukemia Mononuclear                                  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Pars Distalis, Adenoma                                | X                     | X                     | X                     | X                     | X                     |                       | X                     | X                     | X                     | X                     |                       | X                     | X                     | X                     | X                     |                       |                       | X                     | X                     |                       | X                     | 37                    |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
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 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>CONTROL WATER | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |                       |                       |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|   | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>6<br>9<br>8      | 0<br>5<br>5<br>3      | 0<br>5<br>7<br>2      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>0<br>6      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>6<br>6<br>4      | 0<br>7<br>4<br>4      | 0<br>6<br>7<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>4<br>7<br>0      | 0<br>6<br>8<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>9<br>0      |                       | 0<br>7<br>4<br>4      |                       |
| ANIMAL ID   | 0<br>1<br>7<br>1<br>2 | 0<br>1<br>7<br>1<br>2 | 0<br>1<br>7<br>2<br>1 | 0<br>1<br>7<br>3<br>2 | 0<br>1<br>7<br>4<br>1 | 0<br>1<br>7<br>4<br>2 | 0<br>1<br>7<br>4<br>1 | 0<br>2<br>0<br>1<br>2 | 0<br>2<br>0<br>1<br>2 | 0<br>2<br>0<br>1<br>2 | 0<br>2<br>0<br>2<br>2 | 0<br>2<br>0<br>3<br>2 | 0<br>2<br>0<br>3<br>2 | 0<br>2<br>0<br>4<br>1 | 0<br>2<br>0<br>4<br>2 | 0<br>2<br>0<br>4<br>2 | 0<br>2<br>0<br>4<br>1 | 0<br>2<br>0<br>4<br>2 | 0<br>2<br>0<br>4<br>2 | 0<br>2<br>0<br>4<br>2 | 0<br>2<br>0<br>4<br>2 | 0<br>2<br>0<br>5<br>1 | 0<br>2<br>0<br>5<br>2 |
| Thyroid Gland   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| C-cell, Adenoma                                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| C-cell, Carcinoma                                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| <b>GENERAL BODY SYSTEM</b>                            |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| NONE  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| <b>GENITAL SYSTEM</b>                                 |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Clitoral Gland  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Adenoma   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       | X                     |                       |                       |                       | 9                     |
| Carcinoma   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Leukemia Mononuclear                                  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Ovary   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Granulosa Cell Tumor Benign                           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       | X                     |                       | 2                     |
| Leukemia Mononuclear                                  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Uterus  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Leukemia Mononuclear                                  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Polyp Stromal   |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       | X                     |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       | 9                     |
| Vagina  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| <b>HEMATOPOIETIC SYSTEM</b>                           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Bone Marrow   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Lymph Node  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 7                     |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>CONTROL WATER | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |                       |   |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---|
|   | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>6<br>9<br>8      | 0<br>5<br>5<br>3      | 0<br>5<br>7<br>2      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>0<br>6      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>6<br>4<br>6      | 0<br>7<br>4<br>4      | 0<br>6<br>7<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>4<br>7<br>0      | 0<br>6<br>8<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>9<br>0      |                       | 0<br>7<br>4<br>4      |   |
| ANIMAL ID   | 0<br>1<br>7<br>1<br>2 | 0<br>1<br>7<br>1<br>2 | 0<br>1<br>7<br>2<br>2 | 0<br>1<br>7<br>3<br>1 | 0<br>1<br>7<br>3<br>2 | 0<br>1<br>7<br>4<br>1 | 0<br>1<br>7<br>4<br>2 | 0<br>2<br>0<br>1<br>2 | 0<br>2<br>0<br>1<br>2 | 0<br>2<br>0<br>2<br>1 | 0<br>2<br>0<br>2<br>1 | 0<br>2<br>0<br>2<br>1 | 0<br>2<br>0<br>2<br>1 | 0<br>2<br>0<br>2<br>1 | 0<br>2<br>0<br>2<br>1 | 0<br>2<br>4<br>4<br>7 | 0<br>2<br>4<br>4<br>8 | 0<br>2<br>4<br>4<br>9 | 0<br>2<br>4<br>4<br>9 | 0<br>2<br>4<br>5<br>0 | 0<br>2<br>4<br>5<br>0 | 0<br>2<br>2<br>0<br>2 |   |
| Mediastinal, Leukemia Mononuclear                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     |   |
| Pancreatic, Leukemia Mononuclear                      |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       | 3 |
| Renal, Leukemia Mononuclear                           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 3 |
| Lymph Node, Mandibular<br>Leukemia Mononuclear        | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |   |
|   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       | X                     |                       | 6                     |   |
| Lymph Node, Mesenteric<br>Leukemia Mononuclear        | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |   |
|   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       | X                     |                       | 5                     |   |
| Spleen<br>Leukemia Mononuclear                        | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |   |
|   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       | X                     |                       | 10                    |   |
| Thymus<br>Leukemia Mononuclear                        | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | M                     | +                     | +                     | +                     | 47                    |   |
|   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |   |
| <b>INTEGUMENTARY SYSTEM</b>                           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |
| Mammary Gland   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |   |
| Adenocarcinoma  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       | X                     |                       |                       |                       | X                     |                       |                       | 3                     |   |
| Fibroadenoma  |                       |                       | X                     |                       |                       | X                     | X                     | X                     |                       |                       |                       |                       | X                     | X                     |                       |                       | X                     |                       |                       | X                     |                       | 16                    |   |
| Skin  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |   |
| Basal Cell Carcinoma                                  |                       |                       |                       | X                     |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     |   |
| Subcutaneous Tissue, Fibroma                          |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |   |
| <b>MUSCULOSKELETAL SYSTEM</b>                         |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |
| Bone, Femur   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |   |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>CONTROL WATER  | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |                       |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|  | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>6<br>9<br>8      | 0<br>5<br>5<br>3      | 0<br>5<br>7<br>2      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>0<br>6      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>6<br>4<br>6      | 0<br>7<br>4<br>4      | 0<br>6<br>7<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>4<br>7<br>0      | 0<br>6<br>8<br>4      | 0<br>7<br>4<br>4      | 0<br>7<br>4<br>4      | 0<br>5<br>9<br>0      |                       | 0<br>7<br>4<br>4      |
| ANIMAL ID  | 0<br>1<br>7<br>1<br>2 | 0<br>1<br>7<br>1<br>2 | 0<br>1<br>7<br>2<br>2 | 0<br>1<br>7<br>3<br>1 | 0<br>1<br>7<br>3<br>2 | 0<br>1<br>7<br>4<br>1 | 0<br>1<br>7<br>4<br>2 | 0<br>2<br>0<br>1<br>1 | 0<br>2<br>0<br>1<br>2 | 0<br>2<br>0<br>1<br>2 | 0<br>2<br>0<br>2<br>2 | 0<br>2<br>0<br>3<br>2 | 0<br>2<br>0<br>4<br>1 | 0<br>2<br>0<br>4<br>2 | 0<br>2<br>0<br>7<br>1 | 0<br>2<br>0<br>7<br>2 | 0<br>2<br>0<br>8<br>1 | 0<br>2<br>0<br>8<br>2 | 0<br>2<br>0<br>9<br>1 | 0<br>2<br>0<br>9<br>2 | 0<br>2<br>0<br>0<br>1 | 0<br>2<br>0<br>0<br>2 |
| Skeletal Muscle  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| <b>NERVOUS SYSTEM</b>  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Brain, Brain Stem<br>Leukemia Mononuclear  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48<br>1               |
| Brain, Cerebellum<br>Leukemia Mononuclear  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48<br>1               |
| Brain, Cerebrum<br>Leukemia Mononuclear  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48<br>1               |
| Peripheral Nerve, Sciatic  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |
| Spinal Cord, Cervical<br>Leukemia Mononuclear  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48<br>1               |
| Spinal Cord, Lumbar<br>Leukemia Mononuclear  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48<br>1               |
| Spinal Cord, Thoracic<br>Leukemia Mononuclear  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48<br>1               |
| <b>RESPIRATORY SYSTEM</b>  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Lung<br>Alveolar/Bronchiolar Adenoma<br>Alveolar/Bronchiolar Adenoma, Multiple<br>Leukemia Mononuclear | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48<br>2<br>1<br>7     |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20313 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 01/15/2010  
 Time Report Requested: 14:38:46  
 First Dose M/F: 05/23/05 / 05/23/05  
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS<br>FEMALE<br>CONTROL WATER | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | * TOTALS |   |   |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|---|
|   | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |          | 0 |   |
| ANIMAL ID   | 7           | 7 | 6 | 5 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 4 | 6 | 7 | 7 | 5        | 7 |   |
|   | 4           | 4 | 9 | 5 | 7 | 4 | 4 | 0 | 4 | 4 | 4 | 6 | 4 | 7 | 4 | 4 | 4 | 7 | 8 | 4 | 4        | 9 | 4 |
|   | 4           | 4 | 8 | 3 | 2 | 4 | 4 | 6 | 4 | 4 | 4 | 6 | 4 | 7 | 4 | 4 | 4 | 0 | 4 | 4 | 0        | 4 | 4 |
|   | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0        | 0 | 0 |
|   | 1           | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2        | 2 | 2 |
|   | 7           | 7 | 7 | 7 | 7 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 4 | 4 | 4 | 4 | 5        | 5 | 5 |
|   | 1           | 2 | 2 | 3 | 3 | 4 | 4 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 7 | 7 | 8 | 8 | 9 | 9 | 0        | 0 | 0 |
|   | 2           | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2        | 1 | 2 |
| Nose  | +           | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | + |   |
| Leukemia Mononuclear                                  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X        |   |   |
|   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |
| Trachea   | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | + | + |
| <b>SPECIAL SENSES SYSTEM</b>                          |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |
| Eye   | +           | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A        | + | + |
| Harderian Gland                                       | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | + | + |
| <b>URINARY SYSTEM</b>                                 |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |
| Kidney  | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | + | + |
| Leukemia Mononuclear                                  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |
| Renal Tubule, Adenoma                                 |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |
| Urinary Bladder                                       | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | + | + |
| Leukemia Mononuclear                                  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |
| <b>SYSTEMIC LESIONS</b>                               |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |
| Multiple Organ  | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | + | + |
| Leukemia Mononuclear                                  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   | X        |   |   |
| Mesothelioma Malignant                                |             |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |

\*\*\* END OF REPORT \*\*\*

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically