

**TDMS No.** 95003 - 05  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** RATS/F 344/N

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
Methyl trans-styryl ketone  
**CAS Number:** 1896-62-4

**Date Report Requested:** 07/06/2010  
**Time Report Requested:** 12:57:38  
**First Dose M/F:** 04/05/04 / 04/05/04  
**Lab:** SRI

F#2\_R2

**C Number:** C95003  
**Lock Date:** 01/29/2007  
**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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 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010  
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 First Dose M/F: 04/05/04 / 04/05/04  
 Lab: SRI

FISCHER 344 RATS MALE 0 MG/KG	DAY ON TEST																									ANIMAL ID	males (cont...)
	0 7 1 6	0 7 3 0	0 7 3 0	0 7 3 0	0 5 9 0	0 7 2 9	0 3 6 8	0 7 3 0	0 6 3 7	0 6 6 3	0 7 0 3	0 7 2 9	0 5 0 4	0 7 0 3	0 7 1 0	0 7 3 2	0 7 3 2	0 5 7 1	0 6 3 9	0 7 3 0	0 6 0 1	0 6 5 9	0 6 0 4	0 6 6 9			
	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		

Keratoacanthoma X  
 Squamous Cell Carcinoma  
 Squamous Cell Papilloma

**MUSCULOSKELETAL SYSTEM**

Bone +  
 Osteosarcoma  
 Skeletal Muscle +

**NERVOUS SYSTEM**

Brain +  
 Carcinoma, Metastatic, Pituitary Gland  
 Leukemia Mononuclear X  
 Peripheral Nerve + +  
 Spinal Cord + +  
 Leukemia Mononuclear

**RESPIRATORY SYSTEM**

Lung +  
 Alveolar/Bronchiolar Adenoma X  
 Leukemia Mononuclear X X X X X X  
 Nose +  
 Trachea +

\* .. 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

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Lab: SRI

FISCHER 344 RATS MALE	DAY ON TEST																									males (cont...)
	0716	0713	0713	0713	0719	0722	0726	0730	0737	0736	077	077	075	077	077	077	077	075	076	077	076	076	076	076		
	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000		
0 MG/KG	ANIMAL ID																									
	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025	

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Zymbal's Gland Carcinoma																								+	X

URINARY SYSTEM

Kidney Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
		X											X	X					X		X			
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

SYSTEMIC LESIONS

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

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FISCHER 344 RATS MALE	DAY ON TEST																								* TOTALS
	0731	0671	0661	0773	0773	0773	0773	0773	0663	0675	0766	0666	0777	0777	0777	0777	0666	0677	0777	0777	0777	0777	0777	0448	
0 MG/KG	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Large, Rectum	+	I	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	46
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hepatocellular Adenoma													X												2
Leukemia Mononuclear	X	X	X	X		X	X	X	X				X						X		X	X		X	26
Mesentery		+	+					+								+		+			+	+			15
Leukemia Mononuclear		X																							1
Mesothelioma Malignant		X																					X		4
Schwannoma Malignant																									1
Oral Mucosa																							+		1
Squamous Cell Carcinoma																							X		1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Leukemia Mononuclear																									1

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	0731	0671	0661	0773	0773	0773	0773	0663	0773	0663	0773	0663	0773	0663	0773	0663	0773	0663	0773	0663	0773	0663	0773	0663		0773	
ANIMAL ID	00026	00007	00008	00009	00000	00001	00002	00003	00004	00005	00006	00007	00008	00009	00000	00001	00002	00003	00004	00005	00006	00007	00008	00009	00000		
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Stomach, Forestomach Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1		
Stomach, Glandular Leukemia Mononuclear	+	+	+	+	+	+	X	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1		
Tongue																									1		
<b>CARDIOVASCULAR SYSTEM</b>																											
Heart Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 2		
<b>ENDOCRINE SYSTEM</b>																											
Adrenal Cortex Carcinoma Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1 12		
Adrenal Medulla Leukemia Mononuclear Pheochromocytoma Benign Pheochromocytoma Benign, Multiple	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49 6 9 2		
Islets, Pancreatic Adenoma Carcinoma	+	+	+	+	+	+	+	+	X	+	+	+	+	+	X	+	+	+	X	+	+	+	+	+	49 5 3		

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	0731	0671	0661	0733	0773	0773	0773	0773	0663	0753	0663	0663	0773	0773	0773	0773	0665	0673	0773	0773	0773	0773	0748				
ANIMAL ID	00026	00027	00028	00029	00030	00031	00032	00033	00034	00035	00036	00037	00038	00039	00040	00041	00042	00043	00044	00045	00046	00047	00048	00049	00050		
Interstitial Cell, Adenoma	X	X	X					X	X	X			X					X	X	X						16	
<b>HEMATOPOIETIC SYSTEM</b>																											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear	X	X	X	X				X	X	X					X					X					X	20	
Lymph Node	+	+	+	+	+			+	+	+				+					+		+	+			+	25	
Mediastinal, Leukemia Mononuclear	X	X	X	X				X	X					X					X		X	X				17	
Pancreatic, Leukemia Mononuclear	X		X					X														X		X		9	
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	+	M	M	M	M	M	M	M	M	M	3	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear	X	X	X				X	X	X	X					X					X		X			X	18	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear	X	X	X	X			X	X	X	X					X					X		X	X		X	25	
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear	X																								5		
<b>INTEGUMENTARY SYSTEM</b>																											
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	M	+	+	+	48
Fibroadenoma																										2	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Basal Cell Carcinoma															X											1	
Fibroma			X																		X					5	
Fibrosarcoma										X													X			2	

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	0731	0671	0661	0771	0773	0777	0778	0663	0665	0667	0668	0553	0556	0557	0559	0661	0663	0665	0667	0668	0771	0773	0777	0778	
ANIMAL ID	00026	00007	00008	00009	00000	00001	00002	00003	00004	00005	00006	00007	00008	00009	00000	00001	00002	00003	00004	00005	00006	00007	00008	00009	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Keratoacanthoma				X												X									4	
Squamous Cell Carcinoma							X																			1
Squamous Cell Papilloma								X																		1

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Osteosarcoma														X												1
Skeletal Muscle																										1

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Carcinoma, Metastatic, Pituitary Gland															X											1
Leukemia Mononuclear		X																								2
Peripheral Nerve							+						+									+				6
Spinal Cord		+					+						+									+				7
Leukemia Mononuclear		X																								1

**RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Alveolar/Bronchiolar Adenoma								X																		2
Leukemia Mononuclear	X	X	X				X		X											X		X			X	15
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

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	0272	0730	0657	0731	0670	0771	0772	0733	0481	0746	0772	0663	0579	0773	0773	0733	0771	0669	0770	0773	0773	0554	0771	0733	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	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	
	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75		

Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Tongue Squamous Cell Papilloma				+															+						

**CARDIOVASCULAR SYSTEM**

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																									
Schwannoma Malignant													X												

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																									
Leukemia Mononuclear					X								X												
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear					X																				
Pheochromocytoma Benign						X																			X
Pheochromocytoma Benign, Multiple											X														
Pheochromocytoma Malignant																							X		
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma		X		X	X		X									X						X		X	
Carcinoma																							X		

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	0732	0733	0735	0737	0738	0739	0741	0742	0743	0744	0745	0746	0747	0748	0749	0751	0752	0753	0754	0755	0756	0757	0758	0759	
ANIMAL ID	00076	00077	00078	00079	00080	00081	00082	00083	00084	00085	00086	00087	00088	00089	00090	00091	00092	00093	00094	00095	00096	00097	00098	00099	

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Intestine Large, Rectum	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	48	
Intestine Small, Jejunum	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	45	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hepatocellular Adenoma																								X	2	
Hepatocellular Carcinoma																								X	1	
Leukemia Mononuclear	X	X	X	X	X		X		X	X	X		X	X	X				X		X			X	26	
Mesentery						+							+		+				+			+			14	
Mesothelioma Malignant						X						X													4	
Oral Mucosa																									+	1
Squamous Cell Papilloma																									X	1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear																									1	1

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 Lab: SRI

FISCHER 344 RATS MALE 10 MG/KG	DAY ON TEST																								* TOTALS		
	0732	0735	0730	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733			
ANIMAL ID	0076	0077	0078	0079	0080	0081	0082	0083	0084	0085	0086	0087	0088	0089	0090	0091	0092	0093	0094	0095	0096	0097	0098	0099	0100		
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Tongue																									3		
Squamous Cell Papilloma																							X		1		
<b>CARDIOVASCULAR SYSTEM</b>																											
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Leukemia Mononuclear																									1		
Schwannoma Malignant												X													1		
<b>ENDOCRINE SYSTEM</b>																											
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Adenoma																							X		1		
Leukemia Mononuclear																							X	X	5		
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Leukemia Mononuclear																									1		
Pheochromocytoma Benign	X				X	X	X					X	X						X				X		10		
Pheochromocytoma Benign, Multiple																									1		
Pheochromocytoma Malignant											X														2		
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Adenoma	X	X	X	X		X	X						X									X		X	16		
Carcinoma																									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. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010  
 Time Report Requested: 12:57:38  
 First Dose M/F: 04/05/04 / 04/05/04  
 Lab: SRI

FISCHER 344 RATS MALE 10 MG/KG	DAY ON TEST																								* TOTALS
	0732	0733	0735	0737	0738	0739	0740	0741	0742	0743	0744	0745	0746	0747	0748	0749	0750	0751	0752	0753	0754	0755	0756	0757	
ANIMAL ID	0076	0077	0078	0079	0080	0081	0082	0083	0084	0085	0086	0087	0088	0089	0090	0091	0092	0093	0094	0095	0096	0097	0098	0099	0100

Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Pars Distalis, Adenoma	X		X	X	X	X	X	X	X			X	X	X	X	X		X				X	X		30
Pars Distalis, Adenoma, Multiple																				X					1
Pars Distalis, Carcinoma																									2
Pars Intermedia, Adenoma																									1
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	A	45	
C-cell, Adenoma						X			X					X								X		6	
Follicular Cell, Adenoma																			X					1	

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Coagulating Gland																									1
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma																			X						1
Carcinoma											X	X													2
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma																						X			2
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

\* .. 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. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010  
 Time Report Requested: 12:57:38  
 First Dose M/F: 04/05/04 / 04/05/04  
 Lab: SRI

FISCHER 344 RATS MALE 10 MG/KG	DAY ON TEST																								* TOTALS
	0732	0733	0735	0737	0738	0739	0741	0742	0743	0744	0745	0746	0747	0748	0749	0751	0752	0753	0754	0755	0756	0757	0758	0759	
ANIMAL ID	0076	0077	0078	0079	0080	0081	0082	0083	0084	0085	0086	0087	0088	0089	0090	0091	0092	0093	0094	0095	0096	0097	0098	0099	

Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Bilateral, Interstitial Cell, Adenoma		X									X			X			X		X				X		11
Interstitial Cell, Adenoma			X		X	X		X	X	X	X		X	X				X		X	X	X			23

### HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear			X						X		X	X						X					X		10
Lymph Node	+	+	+	+	+	+		+	+		+	+								+			+		30
Mediastinal, Leukemia Mononuclear	X	X	X		X	X							X						X						10
Pancreatic, Leukemia Mononuclear									X			X													3
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	+	M	M	1
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear	X	X	X		X				X			X	X	X				X		X				X	16
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear	X	X	X		X	X	X		X	X	X		X	X	X			X		X				X	26
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear																									1

### INTEGUMENTARY SYSTEM

Mammary Gland	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Carcinoma						X																			1
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Fibroma				X				X										X							6

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TDMS No. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010  
 Time Report Requested: 12:57:38  
 First Dose M/F: 04/05/04 / 04/05/04  
 Lab: SRI

FISCHER 344 RATS MALE  30 MG/KG	DAY ON TEST	07	06	07	06	07	06	07	07	07	07	06	07	07	07	07	07	06	07	05	07	05	07	07	06	males (cont...)
		33	33	31	35	33	37	33	33	31	33	33	33	30	22	33	30	55	37	71	55	33	33	36		
	ANIMAL ID	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	

Urinary Bladder +

**SYSTEMIC LESIONS**

Multiple Organ +  
 Histiocytic Sarcoma X X  
 Leukemia Mononuclear X X X X X X X 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  
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TDMS No. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010  
 Time Report Requested: 12:57:38  
 First Dose M/F: 04/05/04 / 04/05/04  
 Lab: SRI

DAY ON TEST	FISCHER 344 RATS MALE																								* TOTALS
	0731	0685	0533	0669	0663	0773	0773	0773	0366	0464	0673	0599	0699	0732	0673	0667	0723	0554	0644	0724	0567	0675	0554		
ANIMAL ID	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001		
Schwannoma Malignant, Metastatic, Skin																							1		
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Tongue																							4		
Squamous Cell Carcinoma																							2		
<b>CARDIOVASCULAR SYSTEM</b>																									
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
<b>ENDOCRINE SYSTEM</b>																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Adenoma																							1		
Leukemia Mononuclear		X																			X		4		
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Leukemia Mononuclear		X										X										X	3		
Pheochromocytoma Benign					X															X			10		
Pheochromocytoma Benign, Multiple		X											X										4		
Pheochromocytoma Malignant																					X		1		
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	49		
Adenoma		X																X		X			7		
Carcinoma																							2		
Parathyroid Gland	+	+	+	+	M	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	47		

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 + .. Tissue examined microscopically  
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 BLANK .. Not examined microscopically

TDMS No. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010  
 Time Report Requested: 12:57:38  
 First Dose M/F: 04/05/04 / 04/05/04  
 Lab: SRI

FISCHER 344 RATS MALE 30 MG/KG	DAY ON TEST																				* TOTALS							
	0731	0685	0533	0669	0663	0677	0777	0777	0336	0466	0677	0567	0677	0667	0767	0676	0767	0577	0667	0777		0577	0667	0777	0577	0667	0777	0577
ANIMAL ID	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear																												2
Pars Distalis, Adenoma			X	X	X	X		X	X		X	X		X	X		X	X	X		X							30
Pars Distalis, Adenoma, Multiple																												2
Pars Distalis, Carcinoma		X																										1
Thyroid Gland	+	A	+	+	+	+	+	+	+	A	A	+	A	+	+	+	+	+	+	+	A	+	+				43	
C-cell, Adenoma	X							X				X				X												6
C-cell, Carcinoma																												1
Follicular Cell, Adenoma																												1
Follicular Cell, Carcinoma					X																							1
<b>GENERAL BODY SYSTEM</b>																												
NONE																												
<b>GENITAL SYSTEM</b>																												
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Preputial Gland	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Bilateral, Interstitial Cell, Adenoma	X				X		X	X	X																	X		13
Interstitial Cell, Adenoma		X				X							X		X	X		X		X				X				19

\* .. 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. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010  
 Time Report Requested: 12:57:38  
 First Dose M/F: 04/05/04 / 04/05/04  
 Lab: SRI

DAY ON TEST	FISCHER 344 RATS MALE																								* TOTALS
	0731	0685	0533	0669	0663	0673	0773	0773	0366	0464	0673	0569	0669	0733	0622	0733	0662	0733	0554	0644	0722	0554	0644	0754	
ANIMAL ID	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

**INTEGUMENTARY SYSTEM**

Mammary Gland Carcinoma	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Fibroadenoma		X																							3
Skin Fibroma	+	+	+	+	+	+	X	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Fibrous Histiocytoma												X							X					7	
Histiocytic Sarcoma, Metastatic, Liver																								2	
Keratoacanthoma															X	X	X						X	5	
Keratoacanthoma, Multiple																								2	
Schwannoma Malignant																			X					3	
Sebaceous Gland, Adenoma																								1	

**MUSCULOSKELETAL SYSTEM**

Bone Osteosarcoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
																						X		1
Skeletal Muscle													+									+		2

**NERVOUS SYSTEM**

Brain Carcinoma, Metastatic, Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
		X																						1
Peripheral Nerve													+									+		4
Spinal Cord													+									+		4

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TDMS No. 95003 - 05  
 Test Type: CHRONIC  
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 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
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Date Report Requested: 07/06/2010  
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 First Dose M/F: 04/05/04 / 04/05/04  
 Lab: SRI

FISCHER 344 RATS MALE	DAY ON TEST																								ANIMAL ID	males (cont...)
	0 7 3 2	0 7 3 1	0 7 3 0	0 7 0 8	0 7 3 1	0 5 6 2	0 4 4 9	0 7 3 0	0 7 3 2	0 7 3 1	0 7 3 9	0 6 3 3	0 7 2 9	0 7 3 9	0 7 3 0	0 7 3 1	0 7 2 9	0 6 5 8	0 7 2 9	0 6 3 2	0 7 3 1	0 7 3 0	0 7 3 2			
90 MG/KG	0 0 1 5 1	0 0 0 5 2	0 0 0 5 3	0 0 0 5 4	0 0 0 5 5	0 0 0 5 6	0 0 0 5 7	0 0 0 5 8	0 0 0 5 9	0 0 0 6 0	0 0 0 6 1	0 0 0 6 2	0 0 0 6 3	0 0 0 6 4	0 0 0 6 5	0 0 0 6 6	0 0 0 6 7	0 0 0 6 8	0 0 0 6 9	0 0 0 7 0	0 0 0 7 1	0 0 0 7 2	0 0 0 7 3	0 0 0 7 4	0 0 0 7 5	

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+
Liver Hepatocellular Adenoma Hepatocellular Adenoma, Multiple Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	X	+	+	+	+	+	+	+	+	+	+	+	+	+	
			X	X	X										X	X	X		X	X	X		X	X		
Mesentery Mesothelioma Malignant					+				+	+		+	+				+		+						+	
Oral Mucosa Squamous Cell Carcinoma Squamous Cell Papilloma					+																				X	

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

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TDMS No. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010  
 Time Report Requested: 12:57:38  
 First Dose M/F: 04/05/04 / 04/05/04  
 Lab: SRI

		DAY ON TEST																				males (cont...)	
FISCHER 344 RATS MALE		07	07	07	07	07	05	04	07	07	07	07	06	07	07	07	07	07	06	07	07		07
90 MG/KG		32	31	30	38	31	62	49	30	32	31	93	23	29	90	31	91	19	25	89	23		31
ANIMAL ID		00151	00152	00153	00154	00155	00156	00157	00158	00159	00160	00161	00162	00163	00164	00165	00166	00167	00168	00169	00170	00171	

Carcinoma  
 Leukemia Mononuclear

Prostate

Seminal Vesicle  
 Leukemia Mononuclear

Testes  
 Bilateral, Interstitial Cell, Adenoma  
 Interstitial Cell, Adenoma

**HEMATOPOIETIC SYSTEM**

Bone Marrow  
 Leukemia Mononuclear

Lymph Node  
 Deep Cervical, Leukemia Mononuclear  
 Mediastinal, Leukemia Mononuclear  
 Pancreatic, Leukemia Mononuclear

Lymph Node, Mandibular

Lymph Node, Mesenteric  
 Leukemia Mononuclear

Spleen  
 Leukemia Mononuclear

Thymus

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 + .. Tissue examined microscopically  
 X .. Lesion present  
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M .. Missing tissue  
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TDMS No. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010  
 Time Report Requested: 12:57:38  
 First Dose M/F: 04/05/04 / 04/05/04  
 Lab: SRI

DAY ON TEST	FISCHER 344 RATS MALE																									ANIMAL ID	males (cont...)	
	0732	0731	0730	0728	0727	0725	0724	0723	0722	0721	0720	0719	0718	0717	0716	0715	0714	0713	0712	0711	0710	0709	0708	0707	0706			0705
90 MG/KG	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	001151	

Carcinoma, Metastatic, Thyroid Gland  
 Leukemia Mononuclear  
 Thymoma Benign

X

X

**INTEGUMENTARY SYSTEM**

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																										
Fibroadenoma																										
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basal Cell Adenoma																										
Fibroma																										
Keratoacanthoma																										
Schwannoma Malignant																										
Squamous Cell Papilloma																										
Trichoepithelioma																										
Sebaceous Gland, Adenoma																										

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Osteosarcoma																										
Skeletal Muscle																										
Osteosarcoma, Metastatic, Uncertain Primary Site																										

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
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\* .. 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. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010  
 Time Report Requested: 12:57:38  
 First Dose M/F: 04/05/04 / 04/05/04  
 Lab: SRI

FISCHER 344 RATS MALE	DAY ON TEST																				ANIMAL ID	males (cont...)			
	0732	0733	0730	0738	0731	0752	0744	0773	0777	0777	0777	0763	0777	0777	0777	0777	0777	0777	0766	0772			0766	0777	0777
90 MG/KG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0011551	

Carcinoma, Metastatic, Pituitary Gland  
 Leukemia Mononuclear

X

X

Peripheral Nerve

+

Spinal Cord

+

**RESPIRATORY SYSTEM**

Lung +  
 Alveolar/Bronchiolar Adenoma X X  
 Leukemia Mononuclear X X  
 Osteosarcoma, Metastatic, Bone X

Nose +

Trachea +

**SPECIAL SENSES SYSTEM**

Eye +

Harderian Gland +  
 Leukemia Mononuclear

Zymbal's Gland +  
 Carcinoma X

**URINARY SYSTEM**

Kidney +

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TDMS No. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010  
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 First Dose M/F: 04/05/04 / 04/05/04  
 Lab: SRI

FISCHER 344 RATS MALE 90 MG/KG	DAY ON TEST																								* TOTALS
	0729	0730	0731	0732	0733	0734	0735	0736	0737	0738	0739	0740	0741	0742	0743	0744	0745	0746	0747	0748	0749	0750	0751		
ANIMAL ID	001766	001767	001768	001769	001770	001771	001772	001773	001774	001775	001776	001777	001778	001779	001780	001781	001782	001783	001784	001785	001786	001787	001788	001789	
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear				X			X												X					5	
Acinus, Adenoma																								1	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Schwannoma Malignant, Metastatic, Skin																						X		2	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear																						X		1	
Tongue																								1	
<b>CARDIOVASCULAR SYSTEM</b>																									
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear																						X		1	
Schwannoma Malignant										X														1	
<b>ENDOCRINE SYSTEM</b>																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Adenoma																								1	
Leukemia Mononuclear										X	X					X	X							7	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear													X			X	X							4	
Pheochromocytoma Benign										X								X						4	
Pheochromocytoma Benign, Multiple															X	X								5	

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

M .. Missing tissue  
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 BLANK .. Not examined microscopically



TDMS No. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010  
 Time Report Requested: 12:57:38  
 First Dose M/F: 04/05/04 / 04/05/04  
 Lab: SRI

FISCHER 344 RATS MALE 90 MG/KG	DAY ON TEST																									* TOTALS	
	0729	0730	0731	0732	0733	0734	0735	0736	0737	0738	0739	0740	0741	0742	0743	0744	0745	0746	0747	0748	0749	0750	0751	0752			
ANIMAL ID	00176	00177	00178	00179	00180	00181	00182	00183	00184	00185	00186	00187	00188	00189	00190	00191	00192	00193	00194	00195	00196	00197	00198	00199	00200		
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Adenoma																X									10		
Adenoma, Multiple																									2		
Carcinoma																						X			3		
Parathyroid Gland	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47		
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Leukemia Mononuclear																						X			2		
Pars Distalis, Adenoma		X	X		X	X					X	X	X	X	X		X	X	X	X	X		X	X	34		
Pars Distalis, Carcinoma													X												2		
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49		
C-cell, Adenoma	X	X		X	X							X			X		X	X	X						13		
C-cell, Carcinoma																									1		
Follicular Cell, Adenoma																									1		
Follicular Cell, Carcinoma																									1		
<b>GENERAL BODY SYSTEM</b>																											
Tissue NOS																									1		
Chemodectoma Benign																									1		
<b>GENITAL SYSTEM</b>																											
Coagulating Gland																								+	1		
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Adenoma																								X	1		

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
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TDMS No. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010  
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 First Dose M/F: 04/05/04 / 04/05/04  
 Lab: SRI

FISCHER 344 RATS MALE 90 MG/KG	DAY ON TEST																									* TOTALS
	0729	0730	0731	0732	0733	0734	0735	0736	0737	0738	0739	0740	0741	0742	0743	0744	0745	0746	0747	0748	0749	0750	0751	0752		
ANIMAL ID	00176	00177	00178	00179	00180	00181	00182	00183	00184	00185	00186	00187	00188	00189	00190	00191	00192	00193	00194	00195	00196	00197	00198	00199		

Carcinoma, Metastatic, Thyroid Gland																										1
Leukemia Mononuclear				X			X									X										4
Thymoma Benign																						X				1

**INTEGUMENTARY SYSTEM**

Mammary Gland	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Adenoma																										1
Fibroadenoma																										2
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Basal Cell Adenoma											X															1
Fibroma														X												1
Keratoacanthoma									X						X											4
Schwannoma Malignant																								X		2
Squamous Cell Papilloma																							X			2
Trichoepithelioma																										1
Sebaceous Gland, Adenoma					X																					1

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Osteosarcoma																										1
Skeletal Muscle																										1
Osteosarcoma, Metastatic, Uncertain Primary Site																										1

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
-------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
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TDMS No. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
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 Lab: SRI

FISCHER 344 RATS MALE 90 MG/KG	DAY ON TEST																				* TOTALS						
	0729	0730	0731	0732	0733	0734	0735	0736	0737	0738	0739	0740	0741	0742	0743	0744	0745	0746	0747	0748		0749	0750				
ANIMAL ID	00176	00177	00178	00179	00180	00181	00182	00183	00184	00185	00186	00187	00188	00189	00190	00191	00192	00193	00194	00195	00196	00197	00198	00199	00200		
Carcinoma, Metastatic, Pituitary Gland																										2	
Leukemia Mononuclear																										1	
Peripheral Nerve																										3	
Spinal Cord																										3	
<b>RESPIRATORY SYSTEM</b>																											
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Alveolar/Bronchiolar Adenoma																										2	
Leukemia Mononuclear																										12	
Osteosarcoma, Metastatic, Bone																										1	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
<b>SPECIAL SENSES SYSTEM</b>																											
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear																										1	
Zymbal's Gland																										1	
Carcinoma																										1	
<b>URINARY SYSTEM</b>																											
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	

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TDMS No. 95003 - 05  
 Test Type: CHRONIC  
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 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
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 CAS Number: 1896-62-4

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 Lab: SRI

		DAY ON TEST																				females (cont...)				
FISCHER 344 RATS FEMALE		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0			
0 MG/KG		7	6	6	7	6	7	7	7	6	7	7	7	7	7	7	7	7	7	6	6		7	4	7	7
ANIMAL ID		3	7	5	3	2	3	3	1	4	3	3	3	3	3	3	3	3	3	5	3	3	2	3	3	
		3	5	9	3	9	3	3	0	4	6	3	6	3	2	3	3	6	6	0	2	2	6	2	2	
		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	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
		0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+
Intestine Small, Jejunum	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear				X		X	X	X		X		X			X				X					
Mesentery		+								+	+													
Leukemia Mononuclear										X														
Pancreas	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear						X																		
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																								
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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TDMS No. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
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Date Report Requested: 07/06/2010  
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 Lab: SRI

FISCHER 344 RATS FEMALE 0 MG/KG	DAY ON TEST																								ANIMAL ID	females (cont...)
	0 7 3 3	0 6 7 5	0 6 5 9	0 7 3 3	0 6 2 9	0 7 3 3	0 7 3 3	0 7 1 0	0 6 4 4	0 7 3 6	0 7 3 3	0 7 3 3	0 7 3 3	0 7 3 3	0 7 3 3	0 7 3 3	0 7 3 3	0 7 3 3	0 6 5 0	0 6 3 2	0 7 3 2	0 4 2 6	0 7 3 2	0 7 3 2		
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
<b>CARDIOVASCULAR SYSTEM</b>																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Leukemia Mononuclear																										
<b>ENDOCRINE SYSTEM</b>																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Adenoma														X						X	X					
Leukemia Mononuclear									X																	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Leukemia Mononuclear																										
Pheochromocytoma Benign																										
Islets, Pancreatic	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Adenoma														X				X								
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Adenoma														X												
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Leukemia Mononuclear																										
Pars Distalis, Adenoma		X			X	X		X	X					X	X		X	X	X	X		X		X		
Pars Distalis, Carcinoma												X														
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
C-cell, Adenoma	X														X	X					X	X		X		
C-cell, Carcinoma																										

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
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TDMS No. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
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 Lab: SRI

FISCHER 344 RATS FEMALE 0 MG/KG	DAY ON TEST																									ANIMAL ID	females (cont...)
	0 7 3 3	0 6 7 5	0 6 5 9	0 7 3 3	0 6 2 9	0 7 3 3	0 7 3 3	0 7 1 0	0 6 4 4	0 7 3 6	0 7 3 3	0 7 3 3	0 7 3 3	0 7 3 3	0 7 3 3	0 7 3 3	0 7 3 3	0 6 5 0	0 6 3 2	0 6 3 2	0 7 3 2	0 4 2 6	0 7 3 2	0 7 3 2			
	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 0 1		

Follicular Cell, Adenoma X

**GENERAL BODY SYSTEM**

Tissue NOS  
 Leukemia Mononuclear

**GENITAL SYSTEM**

Clitoral Gland  
 Adenoma X  
 Carcinoma X

Ovary  
 Granulosa Cell Tumor Benign X

Uterus  
 Polyp Stromal X  
 Polyp Stromal, Multiple X

Vagina +

**HEMATOPOIETIC SYSTEM**

Bone Marrow  
 Leukemia Mononuclear X X X

Lymph Node  
 Leukemia Mononuclear + + + + +  
 Deep Cervical, Leukemia Mononuclear + + +  
 Mediastinal, Leukemia Mononuclear 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. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010  
 Time Report Requested: 12:57:38  
 First Dose M/F: 04/05/04 / 04/05/04  
 Lab: SRI

FISCHER 344 RATS FEMALE 0 MG/KG	DAY ON TEST																									females (cont...)
	0 7 3 3	0 6 7 5	0 6 5 9	0 7 3 3	0 6 2 9	0 7 3 3	0 7 3 3	0 7 1 0	0 6 4 4	0 7 3 6	0 7 3 3	0 7 3 3	0 7 3 3	0 7 3 2	0 7 3 3	0 7 3 3	0 7 3 6	0 7 3 6	0 6 5 0	0 6 3 2	0 7 3 2	0 4 2 6	0 7 3 2	0 7 3 2		
ANIMAL ID	0 0 2 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5	0 0 0 0 6	0 0 0 0 7	0 0 0 0 8	0 0 0 0 9	0 0 0 0 0	0 0 0 0 1	0 0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5	0 0 0 0 6	0 0 0 0 7	0 0 0 0 8	0 0 0 0 9	0 0 0 0 0	0 0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5

Skeletal Muscle  
 Leukemia Mononuclear

**NERVOUS SYSTEM**

Brain +  
 Carcinoma, Metastatic, Pituitary Gland X  
 Leukemia Mononuclear

Peripheral Nerve

Spinal Cord

**RESPIRATORY SYSTEM**

Lung +  
 Alveolar/Bronchiolar Adenoma X  
 Leukemia Mononuclear X X

Nose +

Trachea +

**SPECIAL SENSES SYSTEM**

Eye +

Harderian Gland +  
 Adenoma

**URINARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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TDMS No. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
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Date Report Requested: 07/06/2010  
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 First Dose M/F: 04/05/04 / 04/05/04  
 Lab: SRI

		DAY ON TEST																								females (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 FEMALE</b>		7	6	6	7	6	7	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
		3	7	5	3	2	3	3	1	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
		3	5	9	3	9	3	3	0	4	6	3	6	3	2	3	3	6	6	6	0	2	2	6	2	2
<b>0 MG/KG</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	0	0	0	0	0	0	0
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
		0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
Kidney		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear																										
Urinary Bladder		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<b>SYSTEMIC LESIONS</b>																										
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear					X		X	X	X		X		X				X					X				

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

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TDMS No. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010  
 Time Report Requested: 12:57:38  
 First Dose M/F: 04/05/04 / 04/05/04  
 Lab: SRI

FISCHER 344 RATS FEMALE	DAY ON TEST																								* TOTALS
	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	
0 MG/KG	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	
	67	8	5	6	6	9	4	3	3	7	2	2	0	4	3	2	6	3	3	4	0	1	2	6	

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	48
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	A	+	+	+	+	46
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear	X	X	X			X			X	X	X						X		X					17
Mesentery	+		+	+					+	+			+	+	+		+	+						23
Leukemia Mononuclear																								1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Leukemia Mononuclear		X																						2
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear		X																						1
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

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TDMS No. 95003 - 05  
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 Species/Strain: RATS/F 344/N

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 Lab: SRI

FISCHER 344 RATS FEMALE 0 MG/KG	DAY ON TEST																								* TOTALS	
	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736		
ANIMAL ID	00226	00227	00228	00229	00230	00231	00232	00233	00234	00235	00236	00237	00238	00239	00240	00241	00242	00243	00244	00245	00246	00247	00248	00249	00250	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
<b>CARDIOVASCULAR SYSTEM</b>																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear		X																							1	
<b>ENDOCRINE SYSTEM</b>																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Adenoma																									4	
Leukemia Mononuclear		X	X				X				X														5	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	49	
Leukemia Mononuclear							X				X														2	
Pheochromocytoma Benign					X																				1	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Adenoma																								X	3	
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Adenoma																									1	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear		X																						X	2	
Pars Distalis, Adenoma		X	X			X	X			X			X	X			X	X	X	X	X	X	X	X	31	
Pars Distalis, Carcinoma																X									2	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
C-cell, Adenoma																								X	7	
C-cell, Carcinoma											X														1	

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TDMS No. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

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 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010  
 Time Report Requested: 12:57:38  
 First Dose M/F: 04/05/04 / 04/05/04  
 Lab: SRI

FISCHER 344 RATS FEMALE 0 MG/KG	DAY ON TEST																								* TOTALS
	0 7 3 6	0 7 0 8	0 6 0 5	0 7 3 6	0 7 3 6	0 6 2 9	0 7 1 4	0 7 3 3	0 7 3 3	0 6 7 7	0 0 2 2	0 7 3 3	0 7 2 2	0 5 5 4	0 6 3 3	0 7 3 6	0 7 3 0	0 6 4 1	0 7 3 2	0 6 4 6	0 7 3 3	0 7 3 3	0 7 3 3		
ANIMAL ID	0 0 2 2 6	0 0 2 2 7	0 0 2 2 8	0 0 2 2 9	0 0 2 3 0	0 0 2 3 1	0 0 2 3 2	0 0 2 3 3	0 0 2 3 4	0 0 2 3 5	0 0 2 3 6	0 0 2 3 7	0 0 2 3 8	0 0 2 3 9	0 0 4 4 0	0 0 4 4 1	0 0 4 4 2	0 0 4 4 3	0 0 4 4 4	0 0 4 4 5	0 0 4 4 6	0 0 4 4 7	0 0 4 4 8	0 0 4 4 9	0 0 5 5 0

Follicular Cell, Adenoma

1

**GENERAL BODY SYSTEM**

Tissue NOS	+	1
Leukemia Mononuclear	X	1

**GENITAL SYSTEM**

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma				X						X			X		X										6
Carcinoma	X																		X						3
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Granulosa Cell Tumor Benign																									1
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Polyp Stromal		X			X			X		X								X			X		X		9
Polyp Stromal, Multiple																									1
Vagina		+			+									+					+						6

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear	X	X	X			X		X		X				X									X		10
Lymph Node		+								+				+	+				+	+			+		16
Leukemia Mononuclear		X																							1
Deep Cervical, Leukemia Mononuclear		X																							1
Mediastinal, Leukemia Mononuclear		X										X					X								6

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 + .. Tissue examined microscopically  
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TDMS No. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010  
 Time Report Requested: 12:57:38  
 First Dose M/F: 04/05/04 / 04/05/04  
 Lab: SRI

FISCHER 344 RATS FEMALE 0 MG/KG	DAY ON TEST																				* TOTALS					
	0736	0738	0605	0703	0703	0602	0701	0703	0703	0607	0703	0703	0502	0605	0703	0703	0604	0700	0702	0603		0703	0703			
ANIMAL ID	00226	00227	00228	00229	00230	00231	00232	00233	00234	00235	00236	00237	00238	00239	00240	00241	00242	00243	00244	00245	00246	00247	00248	00249	00250	
Pancreatic, Leukemia Mononuclear																										5
Renal, Leukemia Mononuclear																										1
Lymph Node, Mandibular Leukemia Mononuclear	M	+	M	M	M	M	M	+	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	3
		X																							1	
Lymph Node, Mesenteric Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
	X	X	X						X				X				X								9	
Spleen Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
	X	X	X				X		X		X		X				X								15	
Thymus Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Thymoma Benign		X	X																						2	
				X																					1	
<b>INTEGUMENTARY SYSTEM</b>																										
Mammary Gland Adenoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
																						X			1	
Carcinoma													X		X										2	
Fibroadenoma												X										X		X	13	
Fibroadenoma, Multiple	X			X												X					X				6	
Skin Fibroma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
								X								X					X				3	
<b>MUSCULOSKELETAL SYSTEM</b>																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	

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TDMS No. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010  
 Time Report Requested: 12:57:38  
 First Dose M/F: 04/05/04 / 04/05/04  
 Lab: SRI

FISCHER 344 RATS FEMALE 0 MG/KG	DAY ON TEST																				* TOTALS				
	0 7 3 6	0 7 0 8	0 6 0 5	0 7 3 6	0 7 3 6	0 6 2 9	0 7 1 4	0 7 3 3	0 7 3 3	0 6 7 7	0 7 2 2	0 7 3 2	0 5 5 4	0 6 3 2	0 7 3 6	0 7 3 3	0 6 4 0	0 7 3 1	0 6 4 2	0 7 3 6		0 7 3 3	0 7 3 3		
ANIMAL ID	0 0 2 2 6	0 0 2 2 7	0 0 2 2 8	0 0 2 2 9	0 0 2 3 0	0 0 2 3 1	0 0 2 3 2	0 0 2 3 3	0 0 2 3 4	0 0 2 3 5	0 0 2 3 6	0 0 2 3 7	0 0 2 3 8	0 0 2 4 9	0 0 2 4 0	0 0 2 4 1	0 0 2 4 2	0 0 2 4 3	0 0 2 4 4	0 0 2 4 5	0 0 2 4 6	0 0 2 4 7	0 0 2 4 8	0 0 2 4 9	0 0 5 0

Skeletal Muscle	+	1
Leukemia Mononuclear	X	1

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Carcinoma, Metastatic, Pituitary Gland																					X				2
Leukemia Mononuclear																					X				1
Peripheral Nerve				+																					1
Spinal Cord				+																					1

**RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Alveolar/Bronchiolar Adenoma																										1
Leukemia Mononuclear	X	X	X			X			X				X												9	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	48		
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		

**SPECIAL SENSES SYSTEM**

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Adenoma			X									X													2

**URINARY SYSTEM**

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 + .. Tissue examined microscopically  
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TDMS No. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

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 Methyl trans-styryl ketone  
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 First Dose M/F: 04/05/04 / 04/05/04  
 Lab: SRI

FISCHER 344 RATS FEMALE	DAY ON TEST																									females (cont...)
	0736	0734	0732	0733	0731	0730	0729	0728	0727	0726	0725	0724	0723	0722	0721	0720	0719	0718	0717	0716	0715	0714	0713	0712		
10 MG/KG	0051	0052	0053	0054	0055	0056	0057	0058	0059	0060	0061	0062	0063	0064	0065	0066	0067	0068	0069	0070	0071	0072	0073	0074	0075	

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	A	+	+	A	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear		X			X										X							X		X	
Mesentery		+		+	+	+				+	+				+			+			+	+			
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																									
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																									
Schwannoma Malignant																									X
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																									

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
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 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

FISCHER 344 RATS FEMALE 10 MG/KG	DAY ON TEST																									females (cont...)
	0736	0734	0732	0730	0728	0726	0724	0722	0720	0718	0716	0714	0712	0710	0708	0706	0704	0702	0700	0698	0696	0694	0692	0690		
ANIMAL ID	0051	0052	0053	0054	0055	0056	0057	0058	0059	0060	0061	0062	0063	0064	0065	0066	0067	0068	0069	0070	0071	0072	0073	0074	0075	

Squamous Cell Papilloma

X

Stomach, Glandular  
Leukemia Mononuclear

+ +

**CARDIOVASCULAR SYSTEM**

Blood Vessel

Heart  
Leukemia Mononuclear

+ +

**ENDOCRINE SYSTEM**

Adrenal Cortex  
Adenoma  
Leukemia Mononuclear

+  
 X  
 X

Adrenal Medulla  
Leukemia Mononuclear  
Pheochromocytoma Benign

+  
 X

Islets, Pancreatic

+ +

Parathyroid Gland

+ +

Pituitary Gland  
Leukemia Mononuclear  
Pars Distalis, Adenoma  
Pars Distalis, Adenoma, Multiple

+  
 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. 95003 - 05  
 Test Type: CHRONIC  
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P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
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Date Report Requested: 07/06/2010  
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 First Dose M/F: 04/05/04 / 04/05/04  
 Lab: SRI

| FISCHER 344 RATS FEMALE<br>10 MG/KG | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ANIMAL ID | females<br>(cont...) |  |
|-------------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|----------------------|--|
|                                     | 0736        | 0734 | 0732 | 0730 | 0728 | 0726 | 0724 | 0722 | 0720 | 0718 | 0716 | 0714 | 0712 | 0710 | 0708 | 0706 | 0704 | 0702 | 0700 | 0698 | 0696 | 0694 | 0692 | 0690 |           |                      |  |
|                                     | 0           | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0051      |                      |  |
|                                     | 7           | 7    | 3    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 5    | 5    | 7    | 6    | 6    | 7    | 5    | 7    | 6    | 5         | 0002                 |  |
|                                     | 3           | 2    | 7    | 3    | 3    | 1    | 3    | 0    | 0    | 3    | 3    | 3    | 1    | 3    | 3    | 3    | 9    | 3    | 4    | 3    | 3    | 7    | 3    | 2    | 6         | 0003                 |  |
|                                     | 6           | 4    | 2    | 3    | 6    | 5    | 6    | 8    | 3    | 6    | 3    | 3    | 6    | 6    | 2    | 7    | 1    | 6    | 2    | 2    | 3    | 8    | 6    | 4    | 2         | 0004                 |  |
|                                     | 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         | 0005                 |  |
|                                     | 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         | 0006                 |  |
|                                     | 2           | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2         | 0007                 |  |
|                                     | 5           | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 6    | 6    | 6    | 6    | 6    | 6    | 6    | 6    | 6    | 6    | 7    | 7    | 7    | 7    | 7    | 7         | 0008                 |  |
|                                     | 1           | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 0    | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 0    | 1    | 2    | 3    | 4    | 5         | 0009                 |  |

Thyroid Gland +  
 C-cell, Adenoma X X X

**GENERAL BODY SYSTEM**

Tissue NOS  
 Leukemia Mononuclear

**GENITAL SYSTEM**

Clitoral Gland +  
 Adenoma X  
 Adenoma, Multiple X  
 Carcinoma  
 Fibrosarcoma  
 Leukemia Mononuclear  
 Ovary +  
 Leukemia Mononuclear  
 Uterus +  
 Leukemia Mononuclear  
 Polyp Stromal X X X  
 Polyp Stromal, Multiple X  
 Sarcoma Stromal  
 Vagina + + +

**HEMATOPOIETIC SYSTEM**

Bone Marrow +

\* .. 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. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010  
 Time Report Requested: 12:57:38  
 First Dose M/F: 04/05/04 / 04/05/04  
 Lab: SRI

| FISCHER 344 RATS FEMALE<br>10 MG/KG                               | DAY ON TEST      |             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID | females<br>(cont...) |
|---|------------------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|
|   | 0<br>7<br>3<br>6 | 0<br>7<br>4 | 0<br>3<br>7<br>2 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>6 | 0<br>7<br>1<br>5 | 0<br>7<br>3<br>6 | 0<br>7<br>0<br>8 | 0<br>7<br>0<br>3 | 0<br>7<br>3<br>6 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>1<br>6 | 0<br>7<br>3<br>6 | 0<br>5<br>3<br>2 | 0<br>5<br>9<br>1 | 0<br>7<br>3<br>6 | 0<br>6<br>4<br>2 | 0<br>6<br>3<br>2 | 0<br>7<br>3<br>3 | 0<br>5<br>7<br>8 | 0<br>7<br>3<br>6 | 0<br>6<br>2<br>4 | 0<br>5<br>3<br>4 | 0<br>6<br>2<br>5 |           |                      |
| Leukemia Mononuclear  | X                |             |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  |                  |                  | X                |                  |                  | X                |                  |           |                      |
| Lymph Node  | +                |             | +                |                  | +                |                  |                  | +                |                  |                  |                  |                  |                  | +                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Leukemia Mononuclear  |                  |             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Mediastinal, Leukemia Mononuclear                                 | X                |             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Mediastinal, Schwannoma Malignant,<br>Metastatic, Salivary Glands |                  |             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | X                |                  |           |                      |
| Pancreatic, Leukemia Mononuclear                                  | X                |             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Renal, Leukemia Mononuclear                                       |                  |             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Lymph Node, Mandibular  | M                | M           | M                | M                | M                | +                | M                | M                | M                | M                | M                | M                | M                | M                | M                | M                | M                | M                | M                | M                | M                | M                | M                | M                |                  |           |                      |
| Lymph Node, Mesenteric  | +                | +           | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                |                  |           |                      |
| Leukemia Mononuclear  |                  | X           |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Spleen  | +                | +           | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                |                  |           |                      |
| Leukemia Mononuclear  |                  | X           |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  | X                | X                |           |                      |
| Thymus  | +                | +           | +                | +                | +                | +                | +                | +                | +                | +                | +                | M                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                |                  |           |                      |
| Leukemia Mononuclear  |                  |             |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |

**INTEGUMENTARY SYSTEM**

|                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Mammary Gland          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Adenoma                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |  |
| Carcinoma              |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   | X |   |  |
| Carcinoma, Multiple    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Fibroadenoma           | X | X |   |   |   | X | X |   |   |   |   | X |   |   | X | X |   |   |   |   | X | X |   |   |  |
| Fibroadenoma, Multiple |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |  |
| Skin                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |

\* .. 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. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010  
 Time Report Requested: 12:57:38  
 First Dose M/F: 04/05/04 / 04/05/04  
 Lab: SRI

| FISCHER 344 RATS FEMALE | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  | females<br>(cont...) |
|-------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|----------------------|
|                         | 0736        | 0734 | 0732 | 0730 | 0728 | 0726 | 0724 | 0722 | 0720 | 0718 | 0716 | 0714 | 0712 | 0710 | 0708 | 0706 | 0704 | 0702 | 0700 | 0698 | 0696 | 0694 | 0692 | 0690 |  |                      |
| 10 MG/KG                | 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               | 0051        | 0052 | 0053 | 0054 | 0055 | 0056 | 0057 | 0058 | 0059 | 0060 | 0061 | 0062 | 0063 | 0064 | 0065 | 0066 | 0067 | 0068 | 0069 | 0070 | 0071 | 0072 | 0073 | 0074 |  |                      |

Basal Cell Adenoma

**MUSCULOSKELETAL SYSTEM**

|                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Osteosarcoma    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Skeletal Muscle |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**NERVOUS SYSTEM**

|                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Peripheral Nerve |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Spinal Cord      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**RESPIRATORY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Mammary Gland              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Leukemia Mononuclear                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Schwannoma Malignant, Metastatic, Salivary Glands |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Nose  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Trachea   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

**SPECIAL SENSES 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. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010  
 Time Report Requested: 12:57:38  
 First Dose M/F: 04/05/04 / 04/05/04  
 Lab: SRI

| FISCHER 344 RATS FEMALE<br>10 MG/KG    | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   | ANIMAL ID             | females<br>(cont...) |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|---|-----------------------|----------------------|
|  | 0<br>7<br>3<br>6 | 0<br>7<br>2<br>4 | 0<br>3<br>7<br>2 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>6 | 0<br>7<br>1<br>5 | 0<br>7<br>3<br>6 | 0<br>7<br>0<br>8 | 0<br>7<br>0<br>3 | 0<br>7<br>3<br>6 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>1<br>6 | 0<br>7<br>3<br>6 | 0<br>5<br>3<br>2 | 0<br>5<br>9<br>1 | 0<br>7<br>3<br>6 | 0<br>6<br>4<br>2 | 0<br>6<br>3<br>2 | 0<br>7<br>3<br>3 | 0<br>5<br>7<br>8 | 0<br>7<br>3<br>6 | 0<br>6<br>2<br>4 | 0<br>0<br>0<br>0 |   |                       |                      |
| Eye                                    | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | + | 0<br>0<br>2<br>5<br>1 | females<br>(cont...) |
| Harderian Gland<br>Adenoma             | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | + | 0<br>0<br>2<br>5<br>1 | females<br>(cont...) |
| <b>URINARY SYSTEM</b>                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |                       |                      |
| Kidney<br>Leukemia Mononuclear         | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | + | 0<br>0<br>2<br>5<br>1 | females<br>(cont...) |
| Urinary Bladder                        | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | + | 0<br>0<br>2<br>5<br>1 | females<br>(cont...) |
| <b>SYSTEMIC LESIONS</b>                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |                       |                      |
| Multiple Organ<br>Leukemia Mononuclear | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | + | 0<br>0<br>2<br>5<br>1 | females<br>(cont...) |

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

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TDMS No. 95003 - 05  
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 Lab: SRI

| FISCHER 344 RATS FEMALE<br>10 MG/KG                            | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           | * TOTALS |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|----------|
|  | 0493        | 0726 | 0773 | 0773 | 0773 | 0773 | 0657 | 0577 | 0577 | 0555 | 0555 | 0666 | 0666 | 0777 | 0777 | 0777 | 0555 | 0777 | 0666 | 0777 | 0777 | 0777 | 0777 |           |          |
| ANIMAL ID  | 0000        | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 |           |          |
| Leukemia Mononuclear   |             |      | X    |      | X    | X    |      |      |      |      |      |      |      |      |      |      |      |      |      | X    |      | X    |      | <b>10</b> |          |
| Lymph Node   | +           |      |      |      |      |      | +    |      |      |      | +    | +    |      |      | +    |      | +    |      |      |      |      |      | +    | <b>13</b> |          |
| Leukemia Mononuclear   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | X    | <b>1</b>  |          |
| Mediastinal, Leukemia Mononuclear                              |             |      |      |      |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      | X    | <b>3</b>  |          |
| Mediastinal, Schwannoma Malignant, Metastatic, Salivary Glands |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | <b>1</b>  |          |
| Pancreatic, Leukemia Mononuclear                               |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | X    | <b>2</b>  |          |
| Renal, Leukemia Mononuclear                                    |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | X    | <b>1</b>  |          |
| Lymph Node, Mandibular   | M           | M    | M    | M    | M    | M    | M    | M    | M    | M    | M    | M    | M    | M    | M    | M    | M    | M    | M    | M    | M    | +    | M    | M         | <b>2</b> |
| Lymph Node, Mesenteric   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | I    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | <b>49</b> |          |
| Leukemia Mononuclear   |             |      |      | X    |      | X    | X    |      |      |      |      |      |      |      |      |      |      |      |      | X    |      |      | X    | <b>8</b>  |          |
| Spleen   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | <b>50</b> |          |
| Leukemia Mononuclear   |             |      |      | X    |      | X    | X    |      |      |      |      |      |      |      |      |      |      |      | X    | X    |      |      | X    | <b>11</b> |          |
| Thymus   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | <b>49</b> |          |
| Leukemia Mononuclear   |             |      |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      | X    |      |      | X    | <b>4</b>  |          |
| <b>INTEGUMENTARY SYSTEM</b>                                    |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |          |
| Mammary Gland  | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | <b>50</b> |          |
| Adenoma  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | <b>1</b>  |          |
| Carcinoma  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | X    |      |      |      | <b>3</b>  |          |
| Carcinoma, Multiple  |             |      |      |      |      |      |      |      |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      | <b>1</b>  |          |
| Fibroadenoma   |             |      | X    |      | X    |      |      |      |      | X    |      | X    |      |      |      |      |      |      |      |      |      |      |      | <b>13</b> |          |
| Fibroadenoma, Multiple   |             |      |      | X    |      |      |      |      | X    |      |      | X    |      |      |      | X    |      | X    |      |      | X    |      | X    | <b>7</b>  |          |
| Skin   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | <b>50</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. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

| DAY ON TEST | FISCHER 344 RATS FEMALE |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | * TOTALS |
|-------------|-------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|
|             | 04                      | 07 | 07 | 07 | 07 | 07 | 06 | 05 | 07 | 07 | 05 | 05 | 05 | 06 | 06 | 07 | 07 | 07 | 05 | 07 | 06 | 07 | 07 | 07 |          |
| 10 MG/KG    | 93                      | 26 | 33 | 36 | 32 | 36 | 87 | 53 | 32 | 65 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 33 |          |
| ANIMAL ID   | 00                      | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 |          |
|             | 27                      | 77 | 77 | 77 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 33 |          |
|             | 66                      | 77 | 88 | 99 | 00 | 11 | 22 | 33 | 44 | 55 | 66 | 77 | 88 | 99 | 00 | 11 | 22 | 33 | 44 | 55 | 66 | 77 | 88 | 00 |          |

Basal Cell Adenoma

X

1

**MUSCULOSKELETAL SYSTEM**

|                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Osteosarcoma    | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Skeletal Muscle | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |

**NERVOUS SYSTEM**

|                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Brain            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Peripheral Nerve | + |   |   |   | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3  |
| Spinal Cord      | + |   |   |   | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3  |

**RESPIRATORY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Lung  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Carcinoma, Metastatic, Mammary Gland              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Leukemia Mononuclear                              |   |   |   | X |   | X | X |   |   |   |   |   |   |   |   |   |   | X |   |   |   | X |   | 7  |
| Schwannoma Malignant, Metastatic, Salivary Glands |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Nose  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Trachea   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

**SPECIAL SENSES 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. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010  
 Time Report Requested: 12:57:38  
 First Dose M/F: 04/05/04 / 04/05/04  
 Lab: SRI

| FISCHER 344 RATS FEMALE<br>10 MG/KG | DAY ON TEST |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | * TOTALS |
|-------------------------------------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|----------|
|                                     | 04          | 07 | 07 | 07 | 07 | 07 | 06 | 05 | 07 | 07 | 05 | 05 | 05 | 06 | 06 | 07 | 07 | 07 | 05 | 07 | 06 | 07 | 07 |          |          |
| ANIMAL ID                           | 09          | 02 | 03 | 03 | 03 | 00 | 08 | 05 | 03 | 03 | 01 | 02 | 02 | 01 | 00 | 03 | 03 | 01 | 03 | 04 | 03 | 01 | 03 | 03       |          |
| 36                                  | 7           | 6  | 3  | 6  | 2  | 3  | 6  | 7  | 2  | 6  | 5  | 0  | 0  | 6  | 9  | 6  | 3  | 6  | 3  | 7  | 2  | 5  | 6  | 3        |          |
| 00                                  | 00          | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00       |          |
| 27                                  | 27          | 27 | 27 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28       |          |
| 67                                  | 67          | 68 | 69 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 00       |          |
| Eye                                 | +           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | 50       |          |
| Harderian Gland Adenoma             | +           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | 50<br>1  |          |
| <b>URINARY SYSTEM</b>               |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |          |
| Kidney Leukemia Mononuclear         | +           | +  | +  | +  | +  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    | X  |    |    | 50<br>4  |          |
| Urinary Bladder                     | +           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | 50       |          |
| <b>SYSTEMIC LESIONS</b>             |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |          |
| Multiple Organ Leukemia Mononuclear | +           | +  |    | +  | +  | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    | X  | X  |    | 50<br>11 |          |

\* .. 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. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010  
 Time Report Requested: 12:57:38  
 First Dose M/F: 04/05/04 / 04/05/04  
 Lab: SRI

| DAY ON TEST | FISCHER 344 RATS FEMALE |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    | * TOTALS |
|-------------|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|----------|
|             | 0614                    | 0733 | 0778 | 0773 | 0773 | 0672 | 0773 | 0773 | 0773 | 0773 | 0773 | 0575 | 0575 | 0670 | 0773 | 0773 | 0773 | 0773 | 0578 | 0773 | 0773 | 0475 | 0773 |    |          |
| 30 MG/KG    | 0026                    | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 49 |          |
| ANIMAL ID   | 0032                    | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 50 |          |

**ALIMENTARY SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Large, Cecum                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Colon                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Rectum                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Intestine Small, Duodenum                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Ileum                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Small, Jejunum                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | 49 |
| Liver  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hepatocellular Adenoma                           |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   | X |   |   |   |   | 2  |
| Histiocytic Sarcoma                              | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Histiocytic Sarcoma, Metastatic, Skeletal Muscle |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   | 1  |
| Leukemia Mononuclear                             |   |   | X |   |   |   |   |   | X | X |   |   |   |   | X |   |   |   |   |   |   |   | X | 9  |
| Mesentery  | + |   | + |   |   |   |   | + | + | + | + | + |   |   |   |   |   |   | + |   | + | + | + | 23 |
| Sarcoma  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   | 1  |
| Pancreas   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear                             |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Salivary Glands                                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

\* .. 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. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010  
 Time Report Requested: 12:57:38  
 First Dose M/F: 04/05/04 / 04/05/04  
 Lab: SRI

| DAY ON TEST                                      | FISCHER 344 RATS FEMALE |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |       |       |      |
|--|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|------|
|  | 0614                    | 0733  | 0778  | 0776  | 0772  | 0773  | 0773  | 0773  | 0774  | 0772  | 0776  | 0774  | 0754  | 0755  | 0766  | 0777  | 0773  | 0773  | 0773  | 0758  |          | 0773  | 0773  | 0745 |
| 30 MG/KG   | ANIMAL ID               |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |      |
|  | 00326                   | 00332 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333    | 00333 | 00333 |      |
| Stomach, Forestomach                             | +                       | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | 50   |
| Stomach, Glandular                               | +                       | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | 50   |
| Tongue   |                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       | 1    |
| Tooth  |                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       | 1    |
| <b>CARDIOVASCULAR SYSTEM</b>                     |                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |      |
| Blood Vessel                                     |                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       | 2    |
| Heart  | +                       | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | 50   |
| Histiocytic Sarcoma, Metastatic, Skeletal Muscle |                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | X     |       | 1    |
| Sarcoma  |                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | X        |       |       | 1    |
| <b>ENDOCRINE SYSTEM</b>                          |                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |      |
| Adrenal Cortex                                   | +                       | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | 50   |
| Leukemia Mononuclear                             |                         |       |       |       |       |       |       | X     |       | X     |       |       |       |       | X     |       |       |       |       |       |          |       |       | 4    |
| Adrenal Medulla                                  | +                       | +     | +     | +     | +     | M     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | M     | +     | 47   |
| Leukemia Mononuclear                             |                         |       | X     |       |       |       |       |       |       |       | X     |       |       |       |       |       |       |       |       |       |          |       |       | 3    |
| Pheochromocytoma Malignant                       |                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       | 1    |
| Islets, Pancreatic                               | +                       | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | 50   |
| Adenoma  |                         |       |       |       |       |       | X     |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       | 2    |
| Parathyroid Gland                                | +                       | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | 49   |

\* .. 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. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010  
 Time Report Requested: 12:57:38  
 First Dose M/F: 04/05/04 / 04/05/04  
 Lab: SRI

| FISCHER 344 RATS FEMALE<br>30 MG/KG | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |      |      |      |      |      |      |      |      |      |      |      |
|-------------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|------|------|------|------|------|------|------|------|------|
|                                     | 0614        | 0733 | 0778 | 0776 | 0772 | 0776 | 0773 | 0773 | 0774 | 0772 | 0776 | 0774 | 0775 | 0775 | 0776 | 0777 | 0773 | 0773 | 0772 | 0777 | 0773 | 0773 | 0774 | 0775 |          | 0776 | 0777 | 0774 | 0776 | 0773 | 0773 | 0774 | 0775 | 0776 | 0777 | 0778 |
| ANIMAL ID                           | 0026        | 0037 | 0038 | 0039 | 0040 | 0041 | 0042 | 0043 | 0044 | 0045 | 0046 | 0047 | 0048 | 0049 | 0050 | 0051 | 0052 | 0053 | 0054 | 0055 | 0056 | 0057 | 0058 | 0059 | 0060     | 0061 | 0062 | 0063 | 0064 | 0065 | 0066 | 0067 | 0068 | 0069 | 0070 |      |
| Pituitary Gland                     | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50   |
| Leukemia Mononuclear                |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      |      |      |      |      |      | 1    |
| Pars Distalis, Adenoma              | X           | X    |      | X    |      |      | X    | X    |      |      | X    | X    |      |      | X    | X    |      |      | X    | X    |      | X    |      |      |          |      |      |      |      |      |      |      |      |      |      | 28   |
| Pars Distalis, Carcinoma            |             |      |      |      |      |      |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      |      |      |      |      |      | 1    |
| Thyroid Gland                       | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | +    | +    | +    | +    | +    | +    | 49   |      |
| C-cell, Adenoma                     |             |      |      |      |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      | X    |      |      |          |      |      |      |      |      |      |      |      |      |      | 4    |
| C-cell, Adenoma, Multiple           |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      |      |      |      |      |      | 1    |
| C-cell, Carcinoma                   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      |      |      |      |      |      | 1    |
| <b>GENERAL BODY SYSTEM</b>          |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      |      |      |      |      |      |      |
| NONE                                |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      |      |      |      |      |      |      |
| <b>GENITAL SYSTEM</b>               |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      |      |      |      |      |      |      |
| Clitoral Gland                      | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50   |      |
| Adenoma                             |             |      |      |      |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      |      |      |      |      |      | 2    |
| Carcinoma                           |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      |      |      |      |      |      | 1    |
| Ovary                               | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | M    | +    | +    | +        | +    | +    | +    | +    | +    | +    | +    | +    | +    | 48   |      |
| Uterus                              | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | M    | +    | +    | +        | +    | +    | +    | +    | +    | +    | +    | +    | +    | 49   |      |
| Polyp Stromal                       |             |      | X    |      | X    |      |      |      |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      |      |      |      |      |      | 17   |
| Polyp Stromal, Multiple             |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | X    |      |      |          |      |      |      |      |      |      |      |      |      |      | 1    |
| Vagina                              | +           |      |      |      |      |      |      |      |      | +    |      |      |      | +    |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      |      |      |      |      |      | 7    |
| Polyp                               |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      |      |      |      |      |      | 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. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010  
 Time Report Requested: 12:57:38  
 First Dose M/F: 04/05/04 / 04/05/04  
 Lab: SRI

| FISCHER 344 RATS FEMALE<br>30 MG/KG              | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |       |       |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|
|  | 0614        | 0733  | 0778  | 0773  | 0773  | 0762  | 0773  | 0773  | 0773  | 0773  | 0773  | 0755  | 0755  | 0667  | 0773  | 0773  | 0773  | 0773  | 0758  | 0773  |          | 0773  | 0745  |
| ANIMAL ID  | 00026       | 00037 | 00038 | 00039 | 00040 | 00041 | 00042 | 00043 | 00044 | 00045 | 00046 | 00047 | 00048 | 00049 | 00050 | 00051 | 00052 | 00053 | 00054 | 00055 | 00056    | 00057 | 00058 |
| Bone Marrow                                      | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     |
| Histiocytic Sarcoma, Metastatic, Skeletal Muscle |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | X     |
| Leukemia Mononuclear                             |             |       | X     |       |       |       |       |       | X     | X     |       |       |       | X     |       |       |       |       |       |       |          |       |       |
| Lymph Node                                       | +           |       | +     |       |       |       |       |       | +     | +     |       |       |       | +     |       |       |       | +     |       |       |          |       | +     |
| Mediastinal, Histiocytic Sarcoma                 | X           |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |
| Mediastinal, Leukemia Mononuclear                |             |       | X     |       |       |       |       |       | X     |       |       |       |       |       |       |       |       |       |       |       |          | X     |       |
| Pancreatic, Leukemia Mononuclear                 |             |       |       |       |       |       |       |       | X     | X     |       |       |       |       |       |       |       |       |       |       |          |       |       |
| Lymph Node, Mandibular                           | M           | M     | M     | M     | M     | M     | M     | M     | M     | M     | +     | M     | M     | +     | M     | M     | M     | M     | M     | M     | M        | M     | M     |
| Leukemia Mononuclear                             |             |       |       |       |       |       |       |       |       |       | X     |       |       |       |       |       |       |       |       |       |          |       |       |
| Lymph Node, Mesenteric                           | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     |
| Leukemia Mononuclear                             |             |       | X     |       |       |       |       |       | X     | X     |       |       |       |       |       |       |       |       |       |       |          |       | X     |
| Spleen   | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     |
| Leukemia Mononuclear                             |             |       | X     |       |       |       |       |       | X     | X     |       |       |       |       | X     |       |       |       |       |       |          |       | X     |
| Thymus   | +           | +     | +     | +     | +     | +     | +     | M     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     |
| Histiocytic Sarcoma, Metastatic, Skeletal Muscle |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | X     |       |
| Leukemia Mononuclear                             |             |       |       |       |       |       |       |       |       |       | X     |       |       |       |       |       |       |       |       |       |          |       |       |
| <b>INTEGUMENTARY SYSTEM</b>                      |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |
| Mammary Gland                                    | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     |
| Carcinoma  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |
| Fibroadenoma                                     |             |       |       | X     |       |       |       | X     |       |       |       | X     |       | X     | X     |       | X     |       |       |       |          | X     |       |
| Fibroadenoma, Multiple                           |             |       |       |       |       |       | 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. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010  
 Time Report Requested: 12:57:38  
 First Dose M/F: 04/05/04 / 04/05/04  
 Lab: SRI

| DAY ON TEST                                      | FISCHER 344 RATS FEMALE |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | * TOTALS |    |    |    |
|--|-------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|----|----|----|
|  | 06                      | 07 | 07 | 07 | 07 | 06 | 07 | 07 | 07 | 07 | 07 | 07 | 05 | 05 | 06 | 07 | 07 | 07 | 07 | 05 |          | 07 | 07 | 04 |
| ANIMAL ID  | 30 MG/KG                |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | * TOTALS |    |    |    |
|  | 00                      | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 |          | 00 | 00 | 00 |
| Skin   | +                       | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +        | +  | +  | 50 |
| Histiocytic Sarcoma                              | X                       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    | 1  |
| Keratoacanthoma                                  |                         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | X  |    | 1  |
| Lipoma   |                         |    |    |    |    |    |    |    |    |    |    | X  |    |    |    |    |    |    |    |    |          |    |    | 1  |
| <b>MUSCULOSKELETAL SYSTEM</b>                    |                         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |    |
| Bone   | +                       | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +        | +  | +  | 50 |
| Chordoma   |                         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    | 1  |
| Skeletal Muscle                                  |                         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    | +  | 1  |
| Histiocytic Sarcoma                              |                         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    | X  | 1  |
| <b>NERVOUS SYSTEM</b>                            |                         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |    |
| Brain  | +                       | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +        | +  | +  | 50 |
| Carcinoma, Metastatic, Pituitary Gland           |                         |    |    |    |    |    |    |    |    |    | X  |    |    |    |    |    |    |    |    |    |          |    |    | 1  |
| Peripheral Nerve                                 |                         |    |    |    |    |    |    |    |    |    | +  |    |    |    |    |    |    |    |    |    |          | +  |    | 2  |
| Spinal Cord                                      |                         |    |    |    |    |    |    |    |    |    | +  |    |    |    |    |    |    |    |    |    |          | +  |    | 2  |
| <b>RESPIRATORY SYSTEM</b>                        |                         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |    |
| Lung   | +                       | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +        | +  | +  | 50 |
| Alveolar/Bronchiolar Adenoma                     |                         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | X  |    | 2  |
| Histiocytic Sarcoma                              | X                       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    | 1  |
| Histiocytic Sarcoma, Metastatic, Skeletal Muscle |                         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | X  |    | 1  |
| Leukemia Mononuclear                             |                         |    |    |    |    |    |    |    |    | X  | X  |    |    |    |    |    |    |    |    |    |          |    | X  | 4  |

\* .. 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. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010  
 Time Report Requested: 12:57:38  
 First Dose M/F: 04/05/04 / 04/05/04  
 Lab: SRI

| DAY ON TEST                  | FISCHER 344 RATS FEMALE |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |       |       |       |
|------------------------------|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|
|                              | 0614                    | 0733  | 0778  | 0773  | 0773  | 0762  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0755  | 0755  | 0766  | 0777  | 0777  | 0777  | 0777  | 0755  |          | 0777  | 0777  | 0744  |
| 30 MG/KG                     | ANIMAL ID               |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
|                              | 00326                   | 00332 | 00338 | 00336 | 00332 | 00337 | 00332 | 00333 | 00334 | 00335 | 00336 | 00337 | 00338 | 00339 | 00340 | 00341 | 00342 | 00343 | 00344 | 00345 | 00346    | 00347 | 00348 | 00349 |
| Nose                         | +                       | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | 50    |
| Trachea                      | +                       | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | 50    |
| <b>SPECIAL SENSES SYSTEM</b> |                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
| Eye                          | +                       | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | 50    |
| Harderian Gland              | +                       | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | 50    |
| <b>URINARY SYSTEM</b>        |                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
| Kidney                       | +                       | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | 50    |
| Leukemia Mononuclear         |                         |       |       |       |       |       |       |       | X     |       |       |       |       |       |       |       |       | X     |       |       |          |       |       | 2     |
| Urinary Bladder              | +                       | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | M     | +     | +        | +     | +     | 49    |
| <b>SYSTEMIC LESIONS</b>      |                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
| Multiple Organ               | +                       | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | 50    |
| Histiocytic Sarcoma          | X                       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | X     |       | 2     |
| Leukemia Mononuclear         |                         |       | X     |       |       |       |       |       | X     | X     |       |       |       |       | X     |       |       |       |       |       |          |       | X     | 9     |

\* .. 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. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010  
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 Lab: SRI

|                                |           | 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 |   |   |   |
| <b>FISCHER 344 RATS FEMALE</b> |           | 7           | 5 | 7 | 7 | 5 | 6 | 7 | 7 | 4 | 7 | 7 | 6 | 6 | 7 | 4 | 7 | 7 | 5 | 0 | 7 | 7                    | 6 | 7 | 7 | 7 |
|                                |           | 2           | 9 | 3 | 3 | 3 | 1 | 2 | 1 | 7 | 2 | 1 | 3 | 7 | 3 | 9 | 3 | 0 | 9 | 1 | 3 | 3                    | 3 | 2 | 3 | 2 |
|                                |           | 9           | 3 | 6 | 6 | 7 | 3 | 9 | 6 | 0 | 9 | 8 | 2 | 7 | 6 | 3 | 3 | 1 | 0 | 7 | 2 | 3                    | 6 | 9 | 3 | 9 |
| <b>90 MG/KG</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 | 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 |
|                                |           | 3           | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3                    | 3 | 3 | 3 | 3 |
|                                |           | 5           | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7                    | 7 | 7 | 7 | 7 |
|                                |           | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1                    | 2 | 3 | 4 | 5 |

**ALIMENTARY SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum<br>Leukemia Mononuclear   | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + |
| Intestine Small, Jejunum   | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + |
| Liver<br>Carcinoma, Metastatic, Uterus<br>Hepatocellular Adenoma<br>Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | X | + | + | + | + | + | + | + | + | + | + | + | + |
| Mesentery<br>Carcinoma, Metastatic, Uterus<br>Leukemia Mononuclear                       |   |   | + | + |   |   | + | + |   | + | + |   | + | + |   |   |   |   | + |   |   |   |   | + |   |
| Pancreas<br>Carcinoma, Metastatic, Uterus<br>Leukemia Mononuclear                        | + | + | + | + | + | + | + | + | + | + | + | + | 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. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010  
 Time Report Requested: 12:57:38  
 First Dose M/F: 04/05/04 / 04/05/04  
 Lab: SRI

| FISCHER 344 RATS FEMALE | DAY ON TEST |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ANIMAL ID | females<br>(cont...) |    |    |    |
|-------------------------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----------|----------------------|----|----|----|
|                         | 07          | 05 | 07 | 07 | 05 | 06 | 07 | 07 | 04 | 07 | 07 | 06 | 06 | 07 | 04 | 07 | 07 | 05 | 00 | 07 |           |                      | 07 | 06 | 07 |
| 90 MG/KG                | 2           | 9  | 3  | 3  | 3  | 1  | 2  | 1  | 7  | 2  | 1  | 3  | 7  | 3  | 9  | 3  | 0  | 9  | 1  | 3  | 3         | 3                    | 2  | 3  | 2  |
|                         | 3           | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3         | 3                    | 3  | 3  | 3  |
|                         | 5           | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 7  | 7  | 7         | 7                    | 7  | 7  |    |
|                         | 1           | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 0  | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 0  | 1         | 2                    | 3  | 4  |    |

Schwannoma Malignant

X

Stomach, Forestomach

+ +

Stomach, Glandular  
 Leukemia Mononuclear

+ +

Tongue  
 Squamous Cell Papilloma

+ +  
 X

**CARDIOVASCULAR SYSTEM**

Blood Vessel

Heart  
 Leukemia Mononuclear

+ X

**ENDOCRINE SYSTEM**

Adrenal Cortex  
 Adenoma  
 Leukemia Mononuclear

+ X X

Adrenal Medulla  
 Leukemia Mononuclear  
 Pheochromocytoma Benign

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

Islets, Pancreatic  
 Adenoma

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

Parathyroid Gland

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

\* .. 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. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

| DAY ON TEST | FISCHER 344 RATS FEMALE |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ANIMAL ID | females<br>(cont...) |
|-------------|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|----------------------|
|             | 0729                    | 0593 | 0773 | 0773 | 0561 | 0672 | 0774 | 0747 | 0047 | 0077 | 0078 | 0066 | 0066 | 0077 | 0044 | 0077 | 0055 | 0000 | 0077 | 0077 | 0066 | 0077 | 0077 | 0066 | 0077 |           |                      |
| 90 MG/KG    | 00                      | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00        |                      |
|             | 33                      | 33   | 33   | 33   | 33   | 33   | 33   | 33   | 33   | 33   | 33   | 33   | 33   | 33   | 33   | 33   | 33   | 33   | 33   | 33   | 33   | 33   | 33   | 33   | 33   | 33        |                      |
|             | 55                      | 55   | 55   | 55   | 55   | 55   | 55   | 55   | 55   | 66   | 66   | 66   | 66   | 66   | 66   | 66   | 66   | 66   | 66   | 66   | 66   | 66   | 66   | 66   | 66   | 66        |                      |
|             | 12                      | 33   | 44   | 55   | 66   | 77   | 88   | 99   | 00   | 11   | 22   | 33   | 44   | 55   | 66   | 77   | 88   | 99   | 00   | 11   | 22   | 33   | 44   | 55   | 66   | 77        |                      |

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

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

|                         |   |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
|-------------------------|---|--|---|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| Clitoral Gland          | + |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
| Adenoma                 | X |  | X |  |  |  |  |  |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
| Carcinoma               |   |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |
| Ovary                   | + |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
| Uterus                  | + |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
| Carcinoma               |   |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |
| Polyp Stromal           |   |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |
| Polyp Stromal, Multiple |   |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |
| Vagina                  |   |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
| Squamous Cell Papilloma |   |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 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. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010  
 Time Report Requested: 12:57:38  
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 Lab: SRI

|                                |           | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |
|--------------------------------|-----------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|
| <b>FISCHER 344 RATS FEMALE</b> |           | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |   |   |                      |
|                                |           | 7           | 5 | 7 | 7 | 5 | 6 | 7 | 7 | 4 | 7 | 7 | 6 | 6 | 7 | 4 | 7 | 7 | 5 | 0 | 7 | 7 | 6 |   | 7 | 7 |                      |
|                                |           | 2           | 9 | 3 | 3 | 3 | 1 | 2 | 1 | 7 | 2 | 1 | 3 | 7 | 3 | 9 | 3 | 0 | 9 | 1 | 3 | 3 | 3 |   | 2 | 3 | 2                    |
| <b>90 MG/KG</b>                |           | 9           | 3 | 6 | 6 | 7 | 3 | 9 | 6 | 0 | 9 | 8 | 2 | 7 | 6 | 3 | 3 | 1 | 0 | 7 | 2 | 3 | 6 | 9 | 3 | 9 |                      |
|                                |           | 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 |                      |
|                                | ANIMAL ID | 3           | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | females<br>(cont...) |
|                                |           | 5           | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |   |                      |
|                                |           | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |                      |

**HEMATOPOIETIC SYSTEM**

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

**INTEGUMENTARY SYSTEM**

|                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma                |   |   |   |   |   | X |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Fibroadenoma           |   |   | X |   |   |   | X | X |   |   | X |   | X |   |   |   |   | X |   |   |   |   |   |   |   |
| Fibroadenoma, Multiple | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   | X |
| Skin                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibroma                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

\* .. 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. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010  
 Time Report Requested: 12:57:38  
 First Dose M/F: 04/05/04 / 04/05/04  
 Lab: SRI

| 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 | 0 | 0 |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <b>FISCHER 344 RATS FEMALE</b> | 7 | 5 | 7 | 7 | 5 | 6 | 7 | 7 | 4 | 7 | 7 | 6 | 6 | 7 | 4 | 7 | 7 | 5 | 0 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 |   |
|                                | 2 | 9 | 3 | 3 | 3 | 1 | 2 | 1 | 7 | 2 | 1 | 3 | 7 | 3 | 9 | 3 | 0 | 9 | 1 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 2 |   |
| <b>90 MG/KG</b>                | 9 | 3 | 6 | 6 | 7 | 3 | 9 | 6 | 0 | 9 | 8 | 2 | 7 | 6 | 3 | 3 | 1 | 0 | 7 | 2 | 3 | 6 | 9 | 3 | 3 | 9 |   |   |
|                                | 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 |   |
| 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 |   |
|                                | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |   |
|                                | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |   |
|                                | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |   |
|                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

females  
(cont...)

**MUSCULOSKELETAL SYSTEM**

|              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|--------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Bone         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Osteosarcoma |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |

**NERVOUS SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Brain                                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Carcinoma, Metastatic, Pituitary Gland |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Peripheral Nerve                       |   | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Spinal Cord                            |   | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |

**RESPIRATORY SYSTEM**

|                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Lung                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Alveolar/Bronchiolar Adenoma |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Leukemia Mononuclear         |   |   |   |   |   |   |   |   |   | X |   |   |   | X |   |   |   |   |   |   | X |   |   |   |   |   |   |  |
| Nose                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Trachea                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |

**SPECIAL SENSES SYSTEM**

|                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

**URINARY 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. 95003 - 05  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010  
 Time Report Requested: 12:57:38  
 First Dose M/F: 04/05/04 / 04/05/04  
 Lab: SRI

| FISCHER 344 RATS FEMALE<br>90 MG/KG                                | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS     |  |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|--|
|  | 0736        | 0736  | 0774  | 0774  | 0776  | 0776  | 0776  | 0776  | 0776  | 0776  | 0776  | 0776  | 0776  | 0776  | 0776  | 0776  | 0776  | 0776  | 0776  | 0776  | 0776  | 0776  | 0776  |       |              |  |
| ANIMAL ID  | 00376       | 00377 | 00378 | 00379 | 00380 | 00381 | 00382 | 00383 | 00384 | 00385 | 00386 | 00387 | 00388 | 00389 | 00390 | 00391 | 00392 | 00393 | 00394 | 00395 | 00396 | 00397 | 00398 | 00399 |              |  |
| Schwannoma Malignant   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1            |  |
| Stomach, Forestomach   | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50           |  |
| Stomach, Glandular<br>Leukemia Mononuclear                         | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50<br>1      |  |
| Tongue<br>Squamous Cell Papilloma                                  |             |       |       | +     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 3<br>1       |  |
| <b>CARDIOVASCULAR SYSTEM</b>                                       |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |              |  |
| Blood Vessel   |             |       | +     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1            |  |
| Heart<br>Leukemia Mononuclear                                      | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50<br>2      |  |
| <b>ENDOCRINE SYSTEM</b>  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |              |  |
| Adrenal Cortex<br>Adenoma<br>Leukemia Mononuclear                  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50<br>2<br>4 |  |
| Adrenal Medulla<br>Leukemia Mononuclear<br>Pheochromocytoma Benign | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 49<br>2<br>1 |  |
| Islets, Pancreatic<br>Adenoma                                      | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | A     | +     | +     | +     | +     | +     | 49<br>3      |  |
| Parathyroid Gland  | M           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | M     | M     | +     | +     | +     | +     | +     | +     | +     | 44           |  |

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| FISCHER 344 RATS FEMALE<br>90 MG/KG | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |      |
|-------------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------|
|                                     | 0736        | 0736  | 0736  | 0736  | 0736  | 0736  | 0736  | 0736  | 0736  | 0736  | 0736  | 0736  | 0736  | 0736  | 0736  | 0736  | 0736  | 0736  | 0736  | 0736  |          | 0736 |
| ANIMAL ID                           | 00076       | 00077 | 00078 | 00079 | 00080 | 00081 | 00082 | 00083 | 00084 | 00085 | 00086 | 00087 | 00088 | 00089 | 00090 | 00091 | 00092 | 00093 | 00094 | 00095 | 00096    |      |
| Pituitary Gland                     | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 50   |
| Leukemia Mononuclear                |             |       |       |       |       |       |       |       |       |       |       | X     |       |       | X     |       |       |       |       |       |          | 3    |
| Pars Distalis, Adenoma              |             | X     | X     | X     |       | X     | X     |       |       |       |       |       |       |       |       | X     |       | X     | X     | X     | X        | 23   |
| Pars Distalis, Adenoma, Multiple    |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 1    |
| Pars Distalis, Carcinoma            |             |       |       |       |       |       |       |       | X     | X     |       |       |       |       | X     | X     |       |       |       |       |          | 4    |
| Thyroid Gland                       | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 50   |
| C-cell, Adenoma                     | X           |       | X     |       | X     |       |       |       | X     |       |       |       |       | X     |       |       |       |       |       | X     |          | 7    |
| C-cell, Carcinoma                   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 1    |
| Follicular Cell, Adenoma            |             |       |       |       |       |       |       |       |       |       |       |       |       | X     |       |       |       |       |       |       |          | 1    |
| <b>GENERAL BODY SYSTEM</b>          |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |      |
| NONE                                |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |      |
| <b>GENITAL SYSTEM</b>               |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |      |
| Clitoral Gland                      | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 50   |
| Adenoma                             | X           | X     | X     |       |       |       |       |       | X     | X     |       | X     |       |       |       |       |       |       |       |       |          | 9    |
| Carcinoma                           |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | X     |          | 2    |
| Ovary                               | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 50   |
| Uterus                              | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 50   |
| Carcinoma                           |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 1    |
| Polyp Stromal                       |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | X     |          | 5    |
| Polyp Stromal, Multiple             |             |       |       | X     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 2    |
| Vagina                              |             |       |       | +     |       |       |       | +     |       |       |       | +     |       |       | +     |       |       |       | +     |       |          | 10   |
| Squamous Cell Papilloma             |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 1    |

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