

TDMS No. 20116 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:01

First Dose M/F: 04/17/05 / 04/17/05

Lab: NCTR

C Number: C20116B
Lock Date: 09/08/2009
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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		DAY ON TEST																				males (cont...)		
FISCHER 344 RATS-NCTR RATS MALE	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0
		4	6	6	7	6	5	6	6	6	7	7	7	6	5	7	7	7	6	6	6		7	6
CONTROL WATER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	2	2	3	3	4	4	4	4	4	6	6	7	7	7	7	7	9	9	9	
	1	1	2	2	9	9	1	1	1	1	2	2	3	3	2	2	1	2	1	2	1	2	1	
	1	2	1	2	1	2	2	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Ascending Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
				X																			
Intestine Large, Descending Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Transverse Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+
																					X		
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver Hepatocellular Adenoma Hepatocellular Carcinoma Histiocytic Sarcoma Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
				X				X				X											X
						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
																						X	X
Mesentery Leukemia Mononuclear											+								+	+			

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

Oral Mucosa	+																									
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear																										
Proximal Colon	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																									
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear							X		X		X				X			X				X			
Schwannoma Malignant																									

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear					X																				X
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear					X				X		X												X	X	
Pheochromocytoma Benign																									X

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

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

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma					X					X	X			X		X								
Carcinoma																								

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FISCHER 344 RATS-NCTR RATS MALE CONTROL WATER	DAY ON TEST																								ANIMAL ID	males (cont...)	
	0 4 8 6	0 6 7 7	0 6 4 1	0 7 3 7	0 6 5 5	0 5 8 4	0 6 8 0	0 6 5 3	0 7 1 9	0 7 3 7	0 7 3 4	0 6 3 1	0 5 3 7	0 7 3 7	0 7 3 7	0 6 7 3	0 6 3 4	0 6 2 7	0 7 3 7	0 6 2 8	0 6 8 3	0 7 3 7	0 7 3 7				
Squamous Cell Carcinoma		X					X																				
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Leukemia Mononuclear																											
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Leukemia Mononuclear																											
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Bilateral, Interstitial Cell, Adenoma				X	X		X			X	X	X	X			X	X	X			X	X	X	X			
Interstitial Cell, Adenoma		X						X										X	X								
HEMATOPOIETIC SYSTEM																											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Leukemia Mononuclear																											
Lymph Node		+		+			+	+	+	+	+	+			+	+						+	+	+			
Axillary, Leukemia Mononuclear											X												X				
Deep Cervical, Leukemia Mononuclear																											
Hepatic, Leukemia Mononuclear																											
Inguinal, Leukemia Mononuclear																								X			
Lumbar, Histiocytic Sarcoma																							X				
Lumbar, Leukemia Mononuclear								X			X					X							X				
Mediastinal, Histiocytic Sarcoma																							X				
Mediastinal, Leukemia Mononuclear								X	X	X	X				X												
Pancreatic, Leukemia Mononuclear								X			X					X											
Renal, Leukemia Mononuclear								X			X												X				
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		

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DAY ON TEST	FISCHER 344 RATS-NCTR RATS MALE CONTROL WATER																									ANIMAL ID	males (cont...)
	0486	0667	0674	0733	0555	0668	0668	0666	0713	0773	0773	0633	0533	0773	0773	0773	0673	0663	0667	0763	0668	0673	0733	0737			
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0001 0011 1111 1121	males (cont...)

Histiocytic Sarcoma																											X
Leukemia Mononuclear																											X X
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+		X
Leukemia Mononuclear																											X X
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		X
Histiocytic Sarcoma																											X X
Leukemia Mononuclear																											X X
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		X
Leukemia Mononuclear																											X X

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Fibroadenoma																											X
Leukemia Mononuclear																											X
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Fibroma	X									X					X		X										
Granular Cell Tumor Benign																											
Keratoacanthoma																											
Lipoma																											X

MUSCULOSKELETAL SYSTEM

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

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	DAY ON TEST																									males (cont...)
FISCHER 344 RATS-NCTR RATS MALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
CONTROL WATER	8	7	4	3	5	5	8	8	5	1	3	3	3	3	3	7	7	7	6	6	6	7	6	7		
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		
0001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
1111	1	1	1	1	2	2	3	3	4	4	4	4	4	4	6	6	7	7	7	7	7	9	9			
1121	1	2	1	2	2	9	9	1	1	1	2	2	3	3	2	2	8	8	9	9	8	8	9	9		
1121	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2		

NERVOUS SYSTEM

Brain, Brain Stem Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	X
Brain, Cerebellum Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	X
Brain, Cerebrum Granular Cell Tumor Benign Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	X
Peripheral Nerve					+																			
Spinal Cord					+																			

RESPIRATORY SYSTEM

Lung Histiocytic Sarcoma Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	X	
					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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	0 4 8 6	0 6 7 7	0 6 4 1	0 7 3 7	0 6 5 5	0 5 8 4	0 6 8 0	0 6 5 3	0 7 1 9	0 7 3 7	0 7 3 4	0 6 3 1	0 5 7 7	0 7 3 7	0 7 3 7	0 6 7 3	0 6 3 4	0 6 2 7	0 7 3 7	0 6 2 8	0 6 8 3	0 7 3 7	0 7 3 7			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0 1 1		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0 1 1		
	1	1	1	1	2	2	3	3	4	4	4	4	4	6	6	7	7	7	7	7	8	8	9	0 0 1 1		
	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	0 0 1 1		

Harderian Gland +
 Leukemia Mononuclear

URINARY SYSTEM

Kidney +
 Leukemia Mononuclear X X X
 Renal Tubule, Adenoma X

Urethra
 Urinary Bladder +
 Leukemia Mononuclear X X X
 Transitional Epithelium, Papilloma X

SYSTEMIC LESIONS

Multiple Organ +
 Histiocytic Sarcoma X
 Leukemia Mononuclear X

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

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Large, Ascending Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	47	
Intestine Large, Cecum Leukemia Mononuclear	+	+	+	+	+	+	A	+	+	X	+	+	+	+	+	+	+	A	+	+	+	+	46 2	
Intestine Large, Descending Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	47	
Intestine Large, Rectum	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47	
Intestine Large, Transverse Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	47	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48	
Intestine Small, Ileum Leukemia Mononuclear	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	45 1	
Intestine Small, Jejunum	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	A	+	+	+	+	45	
Liver Hepatocellular Adenoma Hepatocellular Carcinoma Histiocytic Sarcoma Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48 5 3 1 26	
Mesentery Leukemia Mononuclear				+	+		+			+		+						+	+				10 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. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

FISCHER 344 RATS-NCTR RATS MALE CONTROL WATER	DAY ON TEST																				* TOTALS		
	0737	0737	0737	0662	0660	0734	0664	0550	0737	0664	0458	0660	0737	0666	0737	0668	0737	0663	0663	0543		0732	
ANIMAL ID	01272	01281	01282	01441	01444	01444	01444	01444	01551	01552	01661	01662	01661	01661	01661	01662	01771	01772	01771	01772	01881	01882	
Oral Mucosa																							2
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear													X										2
Proximal Colon	+	+	+	+	+	+	+	A	+	+	M	+	+	+	+	+	+	A	+	+	+	+	44
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
CARDIOVASCULAR SYSTEM																							
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear													X										1
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear						X		X		X	X	X	X	X					X				14
Schwannoma Malignant																							1
ENDOCRINE SYSTEM																							
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear													X										3
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear													X										6
Pheochromocytoma Benign																							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. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

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

Pheochromocytoma Malignant																							X	X		3
Bilateral, Pheochromocytoma Benign																										2
Bilateral, Pheochromocytoma Malignant																							X			4
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		48	
Adenoma			X											X											3	
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+		47	
Adenoma															X										1	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		48	
Leukemia Mononuclear										X	X														5	
Pars Distalis, Adenoma	X	X	X	X	X	X	X		X	X			X		X	X	X		X	X		X	X		30	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		48	
C-cell, Adenoma																									2	
C-cell, Carcinoma	X																								1	
Follicular Cell, Adenoma													X												2	

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		48
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		48
Adenoma																									5
Carcinoma					X													X							2

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

FISCHER 344 RATS-NCTR RATS MALE CONTROL WATER	DAY ON TEST																				* TOTALS	
	0 7 3 7	0 7 3 7	0 7 3 7	0 6 1 2	0 6 4 0	0 7 3 3	0 6 6 4	0 5 5 0	0 7 3 7	0 6 6 4	0 4 5 8	0 5 6 0	0 6 6 0	0 7 3 7	0 7 3 7	0 6 3 8	0 7 3 2	0 6 7 3	0 6 1 3	0 5 8 1		0 7 4 3
ANIMAL ID	0 1 2 7 2	0 1 2 8 1	0 1 2 8 2	0 1 4 1 2	0 1 4 1 1	0 1 4 4 1	0 1 4 4 2	0 1 4 5 1	0 1 4 5 2	0 1 4 6 1	0 1 4 6 2	0 1 4 6 1	0 1 4 7 2	0 1 4 7 1	0 1 7 8 4	0 1 7 8 1	0 1 7 5 2	0 1 7 5 1	0 1 7 9 1	0 1 7 9 2	0 1 8 0 1	0 1 8 0 2
Squamous Cell Carcinoma	X												X									4
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear													X									1
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear													X									1
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Bilateral, Interstitial Cell, Adenoma	X	X		X	X		X	X				X	X	X		X	X	X				27
Interstitial Cell, Adenoma				X					X	X				X					X		X	10
HEMATOPOIETIC SYSTEM																						
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear													X									1
Lymph Node				+	+				+	+				+	+			+	+		+	24
Axillary, Leukemia Mononuclear																						2
Deep Cervical, Leukemia Mononuclear													X									1
Hepatic, Leukemia Mononuclear																			X			1
Inguinal, Leukemia Mononuclear																						1
Lumbar, Histiocytic Sarcoma																						1
Lumbar, Leukemia Mononuclear						X													X			6
Mediastinal, Histiocytic Sarcoma																						1
Mediastinal, Leukemia Mononuclear									X	X									X		X	9
Pancreatic, Leukemia Mononuclear					X											X		X			X	7
Renal, Leukemia Mononuclear																		X				4
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

FISCHER 344 RATS-NCTR RATS MALE CONTROL WATER	DAY ON TEST																				* TOTALS	
	0 7 3 7	0 7 3 7	0 7 3 7	0 6 1 2	0 6 4 0	0 7 3 3	0 6 6 4	0 5 5 0	0 7 3 7	0 6 6 4	0 4 5 8	0 5 6 0	0 6 2 0	0 7 3 7	0 7 3 7	0 6 3 8	0 7 3 2	0 6 7 3	0 6 1 3	0 6 8 1		0 5 4 3
ANIMAL ID	0 1 2 7 2	0 1 2 8 1	0 1 2 8 2	0 1 4 1 2	0 1 4 1 1	0 1 4 4 1	0 1 4 4 2	0 1 4 5 1	0 1 4 5 2	0 1 4 6 1	0 1 4 6 2	0 1 4 7 1	0 1 4 7 2	0 1 4 8 1	0 1 7 8 4	0 1 7 8 2	0 1 7 9 1	0 1 7 9 2	0 1 7 9 1	0 1 7 9 2	0 1 8 0 1	0 1 8 0 2
Histiocytic Sarcoma																						1
Leukemia Mononuclear						X				X			X	X		X						11
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Leukemia Mononuclear						X		X			X	X				X			X			10
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Histiocytic Sarcoma																						1
Leukemia Mononuclear						X		X		X	X	X	X	X		X			X	X		26
Thymus	+	+	+	M	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Leukemia Mononuclear											X	X				X						8
INTEGUMENTARY SYSTEM																						
Mammary Gland	+	+	+	+	+	+	+	M	+	+	M	+	+	M	+	M	+	+	+	+	+	44
Fibroadenoma																X						1
Leukemia Mononuclear																						1
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Fibroma																						4
Granular Cell Tumor Benign										X												1
Keratoacanthoma				X																		1
Lipoma																						1
MUSCULOSKELETAL SYSTEM																						
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Skeletal Muscle														+								2

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

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

NERVOUS SYSTEM

Brain, Brain Stem Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48 5
Brain, Cerebellum Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48 1
Brain, Cerebrum Granular Cell Tumor Benign Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48 1 2
Peripheral Nerve																								1
Spinal Cord																								1

RESPIRATORY SYSTEM

Lung Histiocytic Sarcoma Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48 1 24
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	47
-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	-----------

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

DAY ON TEST	FISCHER 344 RATS-NCTR RATS MALE																				ANIMAL ID	* TOTALS	
	0737	0737	0737	0662	0660	0763	0664	0550	0757	0664	0498	0562	0665	0737	0737	0668	0737	0663	0663	0581			0743
CONTROL WATER	0127	0118	0118	0114	0114	0111	0111	0111	0111	0111	0111	0111	0111	0111	0111	0111	0111	0111	0111	0111	0111	0111	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear																							1
URINARY SYSTEM																							
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear																							4
Renal Tubule, Adenoma																							1
Urethra					+																		1
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear																							4
Transitional Epithelium, Papilloma																							1
SYSTEMIC LESIONS																							
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Histiocytic Sarcoma																							1
Leukemia Mononuclear						X		X		X	X	X	X	X	X	X		X		X	X		27

* .. 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. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:01

First Dose M/F: 04/17/05 / 04/17/05

Lab: NCTR

		DAY ON TEST																							males (cont...)	
FISCHER 344 RATS-NCTR RATS MALE	ALOEWHOLLEAF 0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
		5	7	7	6	7	6	7	4	7	7	6	6	6	7	4	6	7	7	4	6	7	7	7		7
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
		00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	01	
		96	37	37	50	25	12	37	80	37	37	26	66	59	24	74	06	37	02	97	99	37	37	37		
		61	22	71	22	51	21	62	81	82	41	22	12	51	92	12	22	12	22	13	22	32	14	11		

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Ascending Colon Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum Lymphoid Tissue, Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+
Intestine Large, Colon																								
Intestine Large, Descending Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Transverse Colon Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small Mesothelioma Malignant						+																		X
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	A	+
Intestine Small, Jejunum Carcinoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	M	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* .. 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. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

FISCHER 344 RATS-NCTR RATS MALE ALOEWHOLLEAF 0.5	DAY ON TEST																								ANIMAL ID	males (cont...)
	0596	0737	0737	0650	0725	0672	0743	0778	0733	0733	0627	0666	0665	0724	0464	0673	0774	0466	0699	0733	0733	0733	0733	0737		
	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0001		
	0006	0067	0071	0002	0051	0062	0066	0088	0084	0055	0055	0055	0059	0066	0067	0071	0077	0077	0083	0088	0088	0084	0084	0011		
Cholangiocarcinoma																										
Hepatocellular Adenoma																									X	
Histiocytic Sarcoma																										
Leukemia Mononuclear		X		X					X		X		X	X		X	X				X	X	X	X		
Mesentery																										
Leukemia Mononuclear																									+	
Mesothelioma Malignant																									X	
Oral Mucosa																										
Squamous Cell Papilloma																									+	
Pancreas																										
Leukemia Mononuclear																										
Mesothelioma Malignant																										
Mixed Tumor Benign																										
Acinar Cell, Adenoma																									X	
Proximal Colon																										
Salivary Glands																										
Leukemia Mononuclear																										
Sublingual Gland, Adenoma																										
Stomach, Forestomach																										
Squamous Cell Papilloma																									X	
Stomach, Glandular																										

CARDIOVASCULAR SYSTEM

* .. 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. 20116 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
Time Report Requested: 14:39:01
First Dose M/F: 04/17/05 / 04/17/05
Lab: NCTR

DAY ON TEST	FISCHER 344 RATS-NCTR RATS MALE ALOEWHOLLEAF 0.5																									ANIMAL ID										
	0596	0737	0737	0650	0725	0672	0743	0778	0773	0666	0666	0774	0474	0667	0774	0474	0667	0774	0474	0667	0774	0474	0667	0774	0474			0667	0774	0474	0667	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
	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2		

males
(cont...)

Blood Vessel	+																																		
Heart	+																																		
Leukemia Mononuclear		X		X								X		X																			X		
Schwannoma Malignant		X				X																													
Pericardium, Osteosarcoma, Metastatic, Bone																																	X		

ENDOCRINE SYSTEM

Adrenal Cortex	+																																			
Adenoma																																				
Leukemia Mononuclear		X												X																						
Mesothelioma Malignant				X																																
Adrenal Medulla	+																																			
Leukemia Mononuclear													X									X													X	
Pheochromocytoma Malignant				X										X	X							X													X	
Bilateral, Pheochromocytoma Malignant									X												X															
Islets, Pancreatic	+																																			
Adenoma										X				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	X		X														
Thyroid Gland	+																																			

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TDMS No. 20116 - 03
 Test Type: CHRONIC
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 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
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		DAY ON TEST																								males (cont...)
FISCHER 344 RATS-NCTR RATS MALE		0596	0737	0737	0650	0725	0672	0743	0778	0733	0622	0666	0665	0724	0644	0667	0777	0469	0699	0733	0733	0733	0733	0737		
ALOEWHOLLEAF 0.5		00061	00072	00071	00072	00051	00052	00061	00062	00062	00033	00033	00055	00055	00055	00066	00066	00077	00077	00077	00088	00088	00088	00088	00011	
ANIMAL ID		00061	00072	00071	00072	00051	00052	00061	00062	00062	00033	00033	00055	00055	00055	00066	00066	00077	00077	00077	00088	00088	00088	00088	00011	

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

X X X X

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

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

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TDMS No. 20116 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
Time Report Requested: 14:39:01
First Dose M/F: 04/17/05 / 04/17/05
Lab: NCTR

		DAY ON TEST																							males (cont...)
FISCHER 344 RATS-NCTR RATS MALE ALOEWHOLLEAF 0.5		0 5 9 6	0 7 3 7	0 7 3 7	0 6 5 0	0 7 2 5	0 6 1 2	0 7 3 7	0 4 8 0	0 7 3 7	0 7 3 7	0 6 2 7	0 6 6 6	0 7 4 4	0 6 7 6	0 7 0 7	0 7 3 2	0 4 9 7	0 6 9 0	0 7 3 7	0 7 3 7	0 7 3 7	0 7 3 7	0 7 3 7	
ANIMAL ID		0 0 0 6 1	0 0 0 6 2	0 0 0 7 1	0 0 0 5 2	0 0 0 5 1	0 0 0 6 2	0 0 0 6 1	0 0 0 8 2	0 0 0 8 1	0 0 0 4 1	0 0 0 5 2	0 0 0 5 1	0 0 0 5 2	0 0 0 6 1	0 0 0 9 2	0 0 0 9 1	0 0 0 7 2	0 0 0 7 2	0 0 0 7 1	0 0 0 8 2	0 0 0 8 2	0 0 0 8 1	0 0 0 4 2	0 0 0 4 1

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma																								
Leukemia Mononuclear											X													
Lymph Node				+	+										+	+	+							
Axillary, Leukemia Mononuclear																								
Deep Cervical, Leukemia Mononuclear																								
Lumbar, Leukemia Mononuclear																								
Mediastinal, Histiocytic Sarcoma																								
Mediastinal, Leukemia Mononuclear				X																				
Pancreatic, Leukemia Mononuclear				X																				
Renal, Histiocytic Sarcoma																								
Renal, Leukemia Mononuclear				X											X									
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear											X	X	X											X
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear		X	X								X	X			X								X	X
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemangiosarcoma																								
Leukemia Mononuclear		X	X					X	X		X	X		X	X				X	X		X	X	
Mesothelioma Malignant				X																				
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																						M	+	+

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TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
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 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

DAY ON TEST	FISCHER 344 RATS-NCTR RATS MALE ALOEWHOLLEAF 0.5																								ANIMAL ID	males (cont...)	
	0596	0737	0737	0650	0725	0672	0748	0773	0838	0733	0722	0666	0666	0774	0466	0774	0466	0774	0667	0774	0774	0733	0733	0733			0733
	0	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 0007 0007 0007 0022 0022 0022 0022 0033 0033 0055 0055 0055 0055 0066 0066 0077 0077 0077 0088 0088 0033 0033 0044 0044 0055 0055 0099 0099 0011 0011 0022 0022 0011 0011 0022 0022 0011 0011 0022 0022	

INTEGUMENTARY SYSTEM

Mammary Gland	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma																											
Fibroadenoma										X									X							X	
Leukemia Mononuclear																											
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basal Cell Carcinoma																											
Fibroma																											
Keratoacanthoma																											
Sebaceous Gland, Adenoma																											
Subcutaneous Tissue, Fibroma																											X

MUSCULOSKELETAL SYSTEM

Bone																												
Osteoma																												+
Rib, Osteosarcoma																												X
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Skeletal Muscle																												
Mesothelioma Malignant																+												

NERVOUS SYSTEM

Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																											

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	0596	0737	0737	0650	0725	0672	0743	0778	0733	0733	0626	0665	0722	0474	0664	0737	0770	0469	0699	0733	0733	0733	0733	0733		
	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0001	
	0006	0067	0071	0002	0051	0055	0066	0088	0088	0044	0055	0055	0055	0066	0066	0077	0077	0077	0077	0088	0088	0088	0088	0044	0011	

Brain, Cerebellum Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Peripheral Nerve																									+
Spinal Cord Leukemia Mononuclear																									+
																									X

RESPIRATORY SYSTEM

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

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lacrimal Gland																									+

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ALOEWHOLLEAF 0.5		00061	00072	00071	00072	00071	00072	00072	00072	00072	00072	00072	00072	00072	00072	00072	00072	00072	00072	00072	00072	00072	00072	00072	00072	
ANIMAL ID		00061	00072	00071	00072	00071	00072	00072	00072	00072	00072	00072	00072	00072	00072	00072	00072	00072	00072	00072	00072	00072	00072	00072	00072	00072

Squamous Cell Carcinoma, Metastatic, Zymbal'S Gland

X

Zymbal's Gland
 Squamous Cell Carcinoma

+
 X

+
 X

URINARY SYSTEM

Kidney
 Leukemia Mononuclear

+ +

Urinary Bladder
 Leukemia Mononuclear
 Transitional Epithelium, Papilloma

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

SYSTEMIC LESIONS

Multiple Organ
 Histiocytic Sarcoma
 Leukemia Mononuclear
 Mesothelioma Malignant

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

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 Species/Strain: RATS/F 344/NCTR

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 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
ALOEWHOLLEAF 0.5 | 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 | * TOTALS | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|
| | ANIMAL ID | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 7 | 7 | 5 | 6 | 6 | 7 | 7 | 7 | 5 | 5 | 5 | 5 | 6 | 5 | | 5 |
| | | 3 | 1 | 2 | 3 | 9 | 6 | 1 | 4 | 3 | 3 | 6 | 5 | 9 | 3 | 3 | 3 | 5 | 9 | 9 | 4 | 9 | 7 | 9 | |
| | | 7 | 7 | 4 | 2 | 2 | 9 | 3 | 2 | 7 | 7 | 3 | 8 | 9 | 7 | 7 | 7 | 8 | 2 | 2 | 4 | 0 | 1 | 8 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | 0 | 0 | 0 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 8 | 8 | 8 | 8 | 8 | |
| | | 1 | 2 | 2 | 9 | 9 | 3 | 3 | 5 | 5 | 6 | 6 | 3 | 3 | 4 | 4 | 6 | 6 | 1 | 1 | 5 | 5 | 7 | 7 | |
| | | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Intestine Large, Ascending Colon
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | | X | + | 47
1 |
| Intestine Large, Cecum
Lymphoid Tissue, Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | | X | A | 45
1 |
| Intestine Large, Colon | | | | | | | | | | | | | | | | | | | + | | | | | 1 |
| Intestine Large, Descending Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | A | 46 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | 47 |
| Intestine Large, Transverse Colon
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | | X | + | 47
1 |
| Intestine Small
Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | 1
1 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | 46 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | 45 |
| Intestine Small, Jejunum
Carcinoma | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | 44
1 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |

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TDMS No. 20116 - 03
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| FISCHER 344 RATS-NCTR RATS
MALE
ALOEWHOLLEAF 0.5 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|------|
| | 0737 | 0667 | 0664 | 0662 | 0662 | 0669 | 0663 | 0662 | 0572 | 0777 | 0777 | 0563 | 0668 | 0669 | 0777 | 0777 | 0777 | 0588 | 0552 | 0552 | | 0554 | 0690 | 0571 |
| ANIMAL ID | 0101 | 0111 | 0111 | 0111 | 0111 | 0113 | 0113 | 0113 | 0113 | 0113 | 0113 | 0115 | 0115 | 0115 | 0115 | 0115 | 0115 | 0116 | 0116 | 0118 | 0118 | 0118 | 0118 | |
| Cholangiocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Hepatocellular Adenoma | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | X | | | X | X | | X | | | X | | | | | | | | | X | X | | | 19 |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | 10 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Oral Mucosa | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | | | 48 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Mixed Tumor Benign | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Acinar Cell, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Proximal Colon | | | | | | | | | | | | | | | | | | | | | | | | 44 |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | | | 48 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Sublingual Gland, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | | | 47 |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Stomach, Glandular | | | | | | | | | | | | | | | | | | | | | | | | 47 |

CARDIOVASCULAR 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. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
ALOEWHOLLEAF 0.5 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|
| | 0737 | 0667 | 0664 | 0662 | 0662 | 0669 | 0661 | 0542 | 0747 | 0773 | 0563 | 0668 | 0779 | 0773 | 0773 | 0558 | 0552 | 0552 | 0554 | 0690 | | 0571 | 0558 |
| ANIMAL ID | 0101 | 0101 | 0101 | 0101 | 0101 | 0101 | 0101 | 0101 | 0101 | 0101 | 0101 | 0101 | 0101 | 0101 | 0101 | 0101 | 0101 | 0101 | 0101 | 0101 | 0101 | 0101 | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | X | | | X | | | X | | | | | | | | | | | X | X | | | 10 |
| Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Pericardium, Osteosarcoma, Metastatic, Bone | | | | | | | | | | | | | | | | | | | | | | | 1 |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Adenoma | | | | | | X | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | X | | | | 3 |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | 47 |
| Leukemia Mononuclear | | | | | X | | | | | | | | | | | | | | | X | | | 5 |
| Pheochromocytoma Malignant | X | X | | | | | | | X | X | | X | | | | | | | | | | | 10 |
| Bilateral, Pheochromocytoma Malignant | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Adenoma | | | | | | | | | | | | | | | | | | | | | X | | 4 |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | X | | | 1 |
| Pars Distalis, Adenoma | X | | | X | X | | X | X | | X | X | X | X | | X | X | | X | | X | X | X | 30 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | 47 |

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
ALOEWHOLLEAF 0.5 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | 0
7
3
7 | 0
6
1
7 | 0
6
2
4 | 0
6
3
2 | 0
6
9
2 | 0
6
6
9 | 0
6
1
3 | 0
5
4
2 | 0
7
3
7 | 0
7
3
7 | 0
5
6
3 | 0
6
5
8 | 0
6
9
9 | 0
7
3
7 | 0
7
3
7 | 0
5
5
8 | 0
5
9
2 | 0
5
9
2 | 0
5
4
4 | 0
6
9
0 | | 0
5
7
1 |
| ANIMAL ID | 0
1
0
1
2 | 0
1
0
2
1 | 0
1
0
2
1 | 0
1
1
1
2 | 0
1
1
3
1 | 0
1
3
3
1 | 0
1
3
3
2 | 0
1
3
5
2 | 0
1
3
5
1 | 0
1
3
5
6 | 0
1
3
5
2 | 0
1
5
6
1 | 0
1
5
6
2 | 0
1
5
6
4 | 0
1
5
6
1 | 0
1
6
6
2 | 0
1
6
8
1 | 0
1
6
5
2 | 0
1
8
5
1 | 0
1
8
5
2 | 0
1
8
7
1 | 0
1
8
7
2 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|---|---|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|---|--|--|---|
| C-cell, Adenoma | X | X | | | | | | | | X | | | | | | | | | | | | | 7 |
| C-cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Follicular Cell, Adenoma | | | | | | | | | | | | | | | | | | | | X | | | 1 |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Mesothelioma Malignant | | | | | | | | | | | X | X | | | | | | | | | | | 3 |
| Penis | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Adenoma | | | | | | | | | | | | | | X | | | | | | | | | 4 |
| Squamous Cell Carcinoma | | | | | | | | | | X | | | | | | | | | | | X | | 2 |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | X | | 1 |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Mesothelioma Malignant | | | | | | | | | | | | X | | | | | | | | | | | 2 |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Mesothelioma Malignant | | | | | | | | | | | | X | | | | | | | | | | | 2 |
| Bilateral, Interstitial Cell, Adenoma | | X | | | X | X | X | X | X | | | | | X | X | X | | | | | | X | 25 |
| Interstitial Cell, Adenoma | X | | X | X | | | | | | X | X | | | | | X | | | X | X | | | 14 |

* .. 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. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
ALOEWHOLLEAF 0.5 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|--|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|----|----|
| | 07 | 06 | 06 | 06 | 06 | 06 | 06 | 05 | 07 | 07 | 05 | 06 | 06 | 07 | 07 | 07 | 05 | 05 | 05 | 05 | | 06 | 05 |
| ANIMAL ID | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 |
| | 00 | 00 | 00 | 01 | 01 | 03 | 03 | 03 | 03 | 03 | 05 | 05 | 05 | 05 | 05 | 05 | 06 | 06 | 08 | 08 | 08 | 08 | 08 |
| | 01 | 02 | 02 | 09 | 09 | 03 | 03 | 05 | 05 | 06 | 06 | 03 | 03 | 04 | 04 | 06 | 06 | 01 | 01 | 05 | 05 | 07 | 07 |
| | 02 | 01 | 02 | 01 | 02 | 01 | 02 | 01 | 02 | 01 | 02 | 01 | 02 | 01 | 02 | 01 | 02 | 01 | 02 | 01 | 02 | 01 | 02 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Lymph Node | | | + | | | + | | | | + | | | + | + | + | | | | | + | | + | | 13 |
| Axillary, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Deep Cervical, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Lumbar, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Mediastinal, Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Mediastinal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Pancreatic, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Renal, Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Renal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | 7 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | 10 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | 20 |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | 3 |

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
ALOEWHOLLEAF 0.5 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | | | |
|--|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----------|----|----|-----------------|
| | 07 | 06 | 06 | 06 | 06 | 06 | 06 | 05 | 07 | 07 | 05 | 06 | 06 | 07 | 07 | 07 | 05 | 05 | 05 | 05 | | | 06 | 05 |
| | 37 | 17 | 24 | 32 | 92 | 69 | 13 | 42 | 37 | 37 | 63 | 58 | 99 | 37 | 37 | 37 | 58 | 92 | 99 | 44 | 90 | 71 | 98 | |
| | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | |
| | 00 | 00 | 00 | 01 | 01 | 03 | 03 | 03 | 03 | 03 | 05 | 05 | 05 | 05 | 05 | 05 | 06 | 06 | 08 | 08 | 08 | 08 | 08 | |
| | 12 | 11 | 22 | 11 | 92 | 31 | 32 | 51 | 62 | 61 | 32 | 12 | 41 | 42 | 61 | 62 | 11 | 12 | 51 | 52 | 71 | 72 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | 46 |
| Adenocarcinoma | | | | | | | | | | | | | | | X | | | | | | | | 1 |
| Fibroadenoma | | | | | | | | | | | | | X | | | | | | | | | | 4 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | X | | | | 1 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Basal Cell Carcinoma | | | | | | | | | X | | | | | | | | | | | | | | 1 |
| Fibroma | | | | | | | | | | | | | | | | X | | | | | | | 1 |
| Keratoacanthoma | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Sebaceous Gland, Adenoma | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Subcutaneous Tissue, Fibroma | | | | X | | | | | | | | | | | | | | | | | | | 1 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Bone | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Osteoma | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Rib, Osteosarcoma | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | 1 |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Brain, Brain Stem | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | X | | 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
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| DAY ON TEST | FISCHER 344 RATS-NCTR RATS MALE | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | | | |
|--------------------------------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|------|------|------|------|------|------|
| | 0737 | 0667 | 0664 | 0662 | 0662 | 0669 | 0663 | 0542 | 0777 | 0777 | 0563 | 0668 | 0669 | 0777 | 0777 | 0777 | 0558 | 0552 | 0554 | 0550 | | 0551 | 0558 | 0559 | 0664 | 0660 | 0551 | 0558 | 0557 |
| ANIMAL ID | ALOEWHOLLEAF 0.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0100 | 0100 | 0100 | 0100 | 0100 | 0100 | 0100 | 0100 | 0100 | 0100 | 0100 | 0100 | 0100 | 0100 | 0100 | 0100 | 0100 | 0100 | 0100 | 0100 | 0100 | 0100 | 0100 | 0100 | 0100 | 0100 | 0100 | 0100 | 0100 |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | X | | | X | | | X | | | | | | | | | | | | | | | | | | | | | 3 |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | X | | | X | | | X | | | | | | | | | | | | | | | | | | | | | 3 |
| Peripheral Nerve | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Spinal Cord | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| Leukemia Mononuclear | | X | | | X | X | | X | | | | | | | | | | | | | | | | | X | X | | | 13 |
| Osteosarcoma, Metastatic, Bone | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | 1 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Lacrimal Gland | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:01

First Dose M/F: 04/17/05 / 04/17/05

Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
ALOEWHOLLEAF 0.5 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | |
| | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 7 | 7 | 5 | 6 | 6 | 7 | 7 | 7 | 5 | 5 | 5 | 5 | | 6 | 5 | 5 |
| | 3 | 1 | 2 | 3 | 9 | 6 | 1 | 4 | 3 | 3 | 6 | 5 | 9 | 3 | 3 | 3 | 5 | 9 | 9 | 4 | 9 | 7 | 9 | |
| | 7 | 7 | 4 | 2 | 2 | 9 | 3 | 2 | 7 | 7 | 3 | 8 | 9 | 7 | 7 | 7 | 8 | 2 | 2 | 4 | 0 | 1 | 8 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 0 | 0 | 0 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 8 | 8 | 8 | 8 | 8 | |
| | 1 | 2 | 2 | 9 | 9 | 3 | 3 | 5 | 5 | 6 | 6 | 3 | 3 | 4 | 4 | 6 | 6 | 1 | 1 | 5 | 5 | 7 | 7 | |
| | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | |

Squamous Cell Carcinoma, Metastatic, Zymbal'S Gland 1

Zymbal's Gland 2
 Squamous Cell Carcinoma 2

URINARY SYSTEM

Kidney 48
 Leukemia Mononuclear 2

Urinary Bladder 48
 Leukemia Mononuclear 2
 Transitional Epithelium, Papilloma 1

SYSTEMIC LESIONS

Multiple Organ 48
 Histiocytic Sarcoma 1
 Leukemia Mononuclear 21
 Mesothelioma Malignant 3

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | males
(cont...) | |
|--|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|
| FISCHER 344 RATS-NCTR RATS MALE | | 6 | 6 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 6 | 7 | 6 | 6 | 6 | 7 | 6 | 7 | 7 | 6 | 6 | 5 | 6 | 6 | 7 | | 5 |
| | | 6 | 3 | 3 | 3 | 3 | 2 | 8 | 3 | 3 | 2 | 3 | 7 | 8 | 8 | 0 | 9 | 3 | 3 | 6 | 6 | 7 | 2 | 9 | 3 | | 1 |
| ALOEWHOLLEAF 1.0 | ANIMAL ID | 2 | 4 | 7 | 7 | 7 | 8 | 7 | 7 | 7 | 7 | 7 | 0 | 0 | 4 | 6 | 0 | 7 | 7 | 2 | 5 | 7 | 1 | 7 | 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 | 1 | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 9 | 9 | 9 | 9 | 0 | | |
| | | 5 | 5 | 6 | 6 | 8 | 8 | 3 | 3 | 4 | 4 | 9 | 9 | 0 | 0 | 2 | 2 | 5 | 5 | 6 | 6 | 3 | 3 | 4 | 4 | | |
| | | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Ascending Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | X | | | | X | X | X | | | X | X | X | | X | | | | | | X | | |
| Carcinoma | | | | | | | | | | X | | | | X | | | | | | | | | | | |
| Leiomyoma | | | | | X | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | | | | | X | | | | | | | | | | |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Colon | | + | | | | | | | | + | | | | | | | | | | | | | | | |
| Adenoma | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Carcinoma | | X | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Descending Colon | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | M | + | + | + | + | + |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Transverse Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + |
| Adenoma | | | | | | | X | | | | | | | X | | | | X | | | | | | | |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. 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. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|--------------------|
| | 062 | 063 | 067 | 067 | 067 | 065 | 066 | 067 | 067 | 067 | 066 | 067 | 066 | 066 | 066 | 067 | 066 | 067 | 067 | 066 | 066 | 065 | 066 | 066 | 067 | | |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | A | + | + | + | + | + | |
| Liver
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Mesentery
Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oral Mucosa
Sarcoma
Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Proximal Colon
Adenoma
Carcinoma | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Salivary Glands
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

* .. 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. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|--------------------|
| | 062 | 063 | 067 | 067 | 067 | 065 | 066 | 067 | 067 | 067 | 066 | 067 | 066 | 066 | 067 | 066 | 067 | 067 | 066 | 066 | 065 | 066 | 066 | 067 | 065 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001 | |
| | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 9 | 9 | 9 | 9 | 0 | 001 | |
| | 5 | 5 | 6 | 6 | 8 | 8 | 3 | 3 | 4 | 4 | 9 | 9 | 0 | 0 | 2 | 2 | 5 | 5 | 6 | 6 | 3 | 3 | 4 | 4 | 6 | 001 | |
| | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 001 | |

Heart
 Leukemia Mononuclear
 Schwannoma Malignant

+
 X
 X

ENDOCRINE SYSTEM

Adrenal Cortex
 Adenoma
 Leukemia Mononuclear

+
 X
 X

Adrenal Medulla
 Leukemia Mononuclear
 Pheochromocytoma Benign
 Pheochromocytoma Malignant
 Bilateral, Pheochromocytoma Benign
 Bilateral, Pheochromocytoma Malignant

+
 X
 X
 X
 X

Islets, Pancreatic
 Adenoma

+
 X

Parathyroid Gland

+
 X

Pituitary Gland
 Leukemia Mononuclear
 Pars Distalis, Adenoma

+
 X
 X
 X

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

+
 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. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) |
|--|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|
| FISCHER 344 RATS-NCTR RATS
MALE | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | ALOEWHOLLEAF 1.0 | 6 | 6 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 6 | 7 | 6 | 6 | 6 | 7 | 6 | 7 | 7 | 6 | 6 | 5 | 6 | 6 | 7 | 5 | |
| | 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 | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 9 | 9 | 9 | 9 | 9 | | |
| | | 5 | 5 | 6 | 6 | 8 | 8 | 3 | 3 | 4 | 4 | 9 | 9 | 0 | 2 | 2 | 5 | 5 | 6 | 6 | 3 | 3 | 4 | 4 | 6 | | |
| | | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | | |

Follicular Cell, Carcinoma

GENERAL BODY SYSTEM

Tissue NOS
 Scrotal, Mesothelioma Malignant

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | X | | | | | X | | | | | | | | | | | |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | X | | |
| Squamous Cell Papilloma | | | | | | | | X | | X | | | | | | | | | | | | | | | |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Interstitial Cell, Adenoma | | | | X | | X | | X | X | | X | | X | X | X | X | X | | | X | X | | X | X | |
| Interstitial Cell, Adenoma | | | | | X | | | | X | | | | | | | | | X | X | | | | X | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | X | | | | | | | | | | | | | | | | | | |

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|--------------------|
| | 062 | 063 | 067 | 067 | 067 | 065 | 066 | 067 | 067 | 067 | 066 | 067 | 066 | 066 | 067 | 066 | 067 | 067 | 066 | 066 | 065 | 066 | 066 | 067 | 065 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001 | |
| | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 9 | 9 | 9 | 9 | 0 | 101 | |
| | 5 | 5 | 6 | 6 | 8 | 8 | 3 | 3 | 4 | 4 | 9 | 9 | 0 | 2 | 2 | 2 | 5 | 5 | 6 | 6 | 3 | 3 | 4 | 4 | 6 | 101 | |
| | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 101 | |
| Lymph Node | | + | | | + | | | | | | + | | + | + | + | + | + | | | | | | + | | + | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Axillary, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brachial, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cervical, Carcinoma, Metastatic, Thyroid Gland | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deep Cervical, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inguinal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreatic, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Adenocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

M .. Missing tissue
 A .. Autolysis precludes evaluation
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TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) |
|------------------------------------|------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|
| FISCHER 344 RATS-NCTR RATS
MALE | ALOEWHOLLEAF 1.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 6 | 6 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 6 | 7 | 6 | 6 | 6 | 7 | 6 | 7 | 7 | 6 | 6 | 5 | 6 | 6 | 7 | 5 | |
| | | 6 | 3 | 3 | 3 | 3 | 2 | 8 | 3 | 3 | 2 | 3 | 7 | 8 | 8 | 0 | 9 | 3 | 3 | 6 | 6 | 7 | 2 | 9 | 3 | | |
| | | 2 | 4 | 7 | 7 | 7 | 8 | 7 | 7 | 7 | 7 | 0 | 0 | 4 | 6 | 0 | 7 | 7 | 2 | 5 | 7 | 1 | 7 | 7 | 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 | | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 9 | 9 | 9 | 9 | 0 | | |
| | | 5 | 5 | 6 | 6 | 8 | 8 | 3 | 3 | 4 | 4 | 9 | 9 | 0 | 0 | 2 | 2 | 5 | 5 | 6 | 6 | 3 | 3 | 4 | 4 | | |
| | | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | | |

Fibroadenoma

X

Skin

+ +

Fibroma

X

X

Hemangiosarcoma

X

Keratoacanthoma

X

Leukemia Mononuclear

X

Lipoma

X

Subcutaneous Tissue, Lipoma

Subcutaneous Tissue, Sarcoma

MUSCULOSKELETAL SYSTEM

Bone

+

Chondrosarcoma

Bone, Femur

+ +

NERVOUS SYSTEM

Brain

+

Meninges, Meningioma Malignant

X

Brain, Brain Stem

+ +

Brain, Cerebellum

+ +

Brain, Cerebrum

+ +

RESPIRATORY SYSTEM

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| DAY ON TEST | FISCHER 344 RATS-NCTR RATS MALE ALOEWHOLLEAF 1.0 | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males (cont...) |
|--------------------------------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|-----------------|
| | 062 | 063 | 067 | 067 | 067 | 065 | 066 | 067 | 067 | 067 | 066 | 067 | 066 | 066 | 066 | 067 | 066 | 067 | 067 | 066 | 066 | 065 | 066 | 066 | 067 | | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Carcinoma, Metastatic, Thyroid Gland | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chondrosarcoma, Metastatic, Bone | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | X | | | | X | | | | X | X | | X | | X | | | | | | X | | X | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Sarcoma, Metastatic, Oral Mucosa | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Zymbal's Gland | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | + | X | | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Leukemia Mononuclear | | | | | | | X | | | | | | | | | | | | | | | | X | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Leukemia Mononuclear | | | | | | | X | | | | | | | | | | | | | | | | | | | | |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |

* .. 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. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|--|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FISCHER 344 RATS-NCTR RATS MALE | ALOEWOLLEAF 1.0 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 6 | 7 | 6 | 7 | 6 | |
| | | 3 | 8 | 5 | 3 | 3 | 3 | 1 | 3 | 0 | 1 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 0 | 3 | 3 | 6 | 3 | 3 | 4 | 3 | 4 | 9 |
| | | 0 | 8 | 9 | 7 | 7 | 7 | 8 | 7 | 1 | 9 | 0 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 2 | 0 | 6 | 2 | 0 | 6 | 7 | 4 | 9 |
| 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 |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 4 | 4 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| | | 6 | 3 | 3 | 4 | 4 | 5 | 5 | 7 | 7 | 9 | 9 | 0 | 0 | 9 | 9 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 3 | |
| | | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 |
| * TOTALS | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Intestine Large, Ascending Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Adenoma | | | | X | X | | | | | | X | X | X | | | X | X | | | X | | | | | X | | 19 | |
| Carcinoma | | | | | | | | | | | | X | | | | | | | | | | | | X | | | 4 | |
| Leiomyoma | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Adenoma | | | X | | | X | | | | X | | | | X | X | X | X | | | | | | | | | | 8 | |
| Carcinoma | | | | | | X | | | | | | | | | | | | | | | | | | | | | 1 | |
| Intestine Large, Colon | | | | | | | | | | | + | | | | | | | | | | | | | | | | 3 | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Intestine Large, Descending Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | |
| Carcinoma | | | | | | | | | | | | | X | | | | | | | | | | | | | | 1 | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Intestine Large, Transverse Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | |
| Adenoma | | | | | | | | | | | | | | | | X | | | X | | | | X | | | | 6 | |
| Carcinoma | | | | | | | | | | | X | | | | | | | | | | | | | | | | 1 | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|-------|
| | 0730 | 0688 | 0659 | 0737 | 0777 | 0777 | 0777 | 0777 | 0661 | 0559 | 0730 | 0737 | 0777 | 0334 | 0737 | 0777 | 0777 | 0665 | 0737 | 0777 | | 0660 | 0732 | 0763 | 0674 |
| ANIMAL ID | 01062 | 01131 | 01132 | 01141 | 01142 | 01151 | 01152 | 01161 | 01162 | 01171 | 01172 | 01181 | 01182 | 01191 | 01192 | 01201 | 01202 | 01211 | 01212 | 01221 | 01222 | 01231 | 01232 | 01241 | 01242 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | X | | | X | X | | X | X | | | | | | | | X | | X | X | | X | X | | | 20 |
| Mesentery | | | | | | | | + | | | | | | | | | | | | | | | | | 4 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Oral Mucosa | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Proximal Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 46 |
| Adenoma | | | X | X | | | | X | | | | | | | | X | | | | | | | | | 7 |
| Carcinoma | | | | | | | | | | | | X | | | | | | | | | | | | | 4 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|
| | 0730 | 0688 | 0659 | 0737 | 0777 | 0777 | 0777 | 0631 | 0579 | 0730 | 0737 | 0737 | 0341 | 0737 | 0737 | 0737 | 0675 | 0737 | 0660 | 0732 | | 0672 |
| ANIMAL ID | 01062 | 01131 | 01132 | 01141 | 01151 | 01152 | 01161 | 01162 | 01171 | 01172 | 01181 | 01182 | 01191 | 01192 | 01201 | 01202 | 01211 | 01212 | 01221 | 01222 | 01231 | 01232 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | X | | | | | | | | | | | | X | | | | | | | X | | |
| Schwannoma Malignant | | | | | X | | | | | | | | | | | | | | | | | |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | X | | | | | | | | | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | X | | X | | | | | | | | | | | |
| Pheochromocytoma Benign | | | | | | | | | | | | | | | | | | | | | | |
| Pheochromocytoma Malignant | | | | X | X | X | | X | | | | | | | | | | X | | X | X | |
| Bilateral, Pheochromocytoma Benign | | | | | | | X | | | | | | | | | | | | | | | |
| Bilateral, Pheochromocytoma Malignant | | | | | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | X | | | | | | | | | X | | | | | | X | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | X | | | | | | | | | X | | | | | | | | | | | | |
| Pars Distalis, Adenoma | | | X | X | | X | X | | | X | | | X | X | | X | X | X | X | X | X | X |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| C-cell, Adenoma | | | | | | X | | | | | | X | | | | | | | | | | |
| C-cell, Carcinoma | | | X | | | | | | | | | | | | | | X | | | | | |
| Follicular Cell, Adenoma | | | | | | | X | | | | | | | | | | | | | | | |

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|---|---|----|----|
| | 0730 | 0688 | 0659 | 0737 | 0737 | 0737 | 0731 | 0733 | 0601 | 0519 | 0730 | 0733 | 0733 | 0341 | 0737 | 0737 | 0675 | 0733 | 0660 | 0732 | | 0672 | 0649 | | | | | |
| ANIMAL ID | 01062 | 01132 | 01134 | 01142 | 01142 | 01151 | 01153 | 01153 | 01171 | 01172 | 01172 | 01174 | 01174 | 01166 | 01166 | 01177 | 01177 | 01188 | 01188 | 01188 | 01188 | 01188 | 01183 | 01182 | | | | |
| Follicular Cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | X | 1 | | | |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tissue NOS | | | | | | | | | | | | | | | | | | | | | | | | | + | 1 | | |
| Scrotal, Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | X | 1 | | |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epididymis | | | | | | | | | | | | | | | | | | | | | | | | | | + | 48 | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | X | 1 | |
| Preputial Gland | | | | | | | | | | | | | | | | | | | | | | | | | | | + | 48 |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | X | 3 |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | | | X | 3 |
| Prostate | | | | | | | | | | | | | | | | | | | | | | | | | | | + | 48 |
| Seminal Vesicle | | | | | | | | | | | | | | | | | | | | | | | | | | | + | 48 |
| Testes | | | | | | | | | | | | | | | | | | | | | | | | | | | + | 48 |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | X | 1 |
| Bilateral, Interstitial Cell, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | 28 |
| Interstitial Cell, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | 7 |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | | | | | | | | | | | | | | | | | | | | | | | | | | | + | 48 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | 3 |

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|-------|-------|-------|
| | 0730 | 0688 | 0659 | 0737 | 0777 | 0777 | 0777 | 0631 | 0579 | 0730 | 0737 | 0737 | 0341 | 0737 | 0737 | 0737 | 0675 | 0737 | 0737 | 0660 | | 0737 | 0634 | 0764 | 0764 | 0634 | 0764 |
| ANIMAL ID | 01062 | 01131 | 01132 | 01141 | 01142 | 01151 | 01152 | 01161 | 01162 | 01171 | 01172 | 01181 | 01182 | 01191 | 01192 | 01201 | 01202 | 01211 | 01212 | 01221 | 01222 | 01231 | 01232 | 01241 | 01242 | 01251 | 01252 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Lymph Node | + | M | + | | | | + | | | | M | + | | | | + | | + | | | | | | | | | 19 |
| Leukemia Mononuclear | X | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Axillary, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Brachial, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Cervical, Carcinoma, Metastatic, Thyroid Gland | | | | | | | | | | | | | | | | | | | X | | | | | | | | 1 |
| Deep Cervical, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Iliac, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Inguinal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Lumbar, Leukemia Mononuclear | X | | | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| Mediastinal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Pancreatic, Leukemia Mononuclear | X | | | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| Renal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | X | | | | | | | | | | | X | | | | | | | | | | | | | | | 8 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | X | | | | | | | X | | X | | | | | | | | | | | | | | | | | 9 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | X | | | | X | X | | X | | X | | | | | X | X | | | X | X | | X | X | | X | X | 23 |
| Thymus | + | + | M | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 44 |
| Leukemia Mononuclear | | | | | | | | | X | | | | | | | | | | | | | | | | | | 6 |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Adenocarcinoma | | | | | | | | | | | | X | | | | | | | | | | | | | | | 1 |

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

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

| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---------------------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
| DAY ON TEST | | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 6 | 6 |
| FISCHER 344 RATS-NCTR RATS MALE | | 3 | 8 | 5 | 3 | 3 | 3 | 1 | 3 | 0 | 1 | 3 | 3 | 4 | 3 | 3 | 3 | 0 | 3 | 3 | 6 | 3 | 4 | 4 |
| ALOEWHOLLEAF 1.0 | | 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 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 4 | 4 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 |
| | | 6 | 3 | 3 | 4 | 4 | 5 | 5 | 7 | 7 | 9 | 9 | 0 | 0 | 9 | 9 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| | | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 |
| | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Fibroadenoma | | | | X | | | | | X | | | | | | | | | | | | | | | | | | | 3 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Fibroma | | | | | | | | | | | | | | | | | X | | | | | | | | | | | 3 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Keratoacanthoma | | | | | | | | | | | | | | | | | X | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Lipoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Subcutaneous Tissue, Lipoma | | | | | | | | | | | | | | | | | | | | | | | | | X | | | 1 |
| Subcutaneous Tissue, Sarcoma | | | | | X | | | | | | | | | | | | | | | | | | | | | | | 1 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Chondrosarcoma | | | | | | | | | X | | | | | | | | | | | | | | | | | | | 1 |
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Brain | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Meninges, Meningioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Brain, Brain Stem | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |

RESPIRATORY SYSTEM

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|
| | 0730 | 0688 | 0659 | 0737 | 0777 | 0777 | 0778 | 0777 | 0661 | 0579 | 0730 | 0777 | 0777 | 0371 | 0777 | 0777 | 0675 | 0772 | 0772 | 0660 | | 0732 | 0662 | 0734 |
| ANIMAL ID | 01062 | 01131 | 01131 | 01131 | 01131 | 01131 | 01131 | 01131 | 01131 | 01131 | 01131 | 01131 | 01131 | 01131 | 01131 | 01131 | 01131 | 01131 | 01131 | 01131 | 01131 | 01131 | 01131 | 01131 |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Carcinoma, Metastatic, Thyroid Gland | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Chondrosarcoma, Metastatic, Bone | | X | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | X | | | | | | | X | X | | | | | | | | | X | X | | | | | 13 |
| Nose | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Sarcoma, Metastatic, Oral Mucosa | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Zymbal's Gland | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | | | | | | | | | |
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------------|
| DAY ON TEST | | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 6 | |
| FISCHER 344 RATS-NCTR RATS MALE | | 3 | 8 | 5 | 3 | 3 | 3 | 1 | 3 | 0 | 1 | 3 | 3 | 4 | 3 | 3 | 3 | 0 | 3 | 3 | 6 | 3 | 4 | |
| ALOEWHOLLEAF 1.0 | | 0 | 8 | 9 | 7 | 7 | 7 | 8 | 7 | 1 | 9 | 0 | 7 | 7 | 1 | 7 | 7 | 5 | 7 | 2 | 0 | 2 | 9 | |
| ANIMAL ID | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 4 | 4 | 6 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | |
| | | 6 | 3 | 3 | 4 | 4 | 5 | 5 | 7 | 7 | 9 | 9 | 0 | 0 | 9 | 9 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | |
| | | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | |
| | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
| Leukemia Mononuclear | | X | | | X | X | | X | X | | | | X | X | | | X | X | | | X | X | 24 | |
| Mesothelioma Malignant | | | X | | | | | | | | | | | | | | | | | | | | 1 | |

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | males
(cont...) | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|
| FISCHER 344 RATS-NCTR RATS MALE | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 6 | 6 | 6 | 7 | 7 | 4 | 6 | 6 | 5 | 3 | 1 | 6 | 7 | | 6 |
| ALOEWHOLLEAF 1.5 | 4 | 4 | 9 | 3 | 3 | 3 | 0 | 3 | 8 | 9 | 3 | 2 | 6 | 8 | 3 | 3 | 8 | 3 | 0 | 7 | 3 | 1 | 6 | 3 | | 2 |
| ANIMAL ID | 2 | 6 | 7 | 7 | 7 | 7 | 0 | 7 | 0 | 1 | 7 | 2 | 5 | 9 | 7 | 7 | 2 | 1 | 7 | 4 | 8 | 7 | 0 | 7 | 7 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 5 | 5 | 7 | 7 | 8 | 8 | 8 | 8 | 0 | 0 | 0 | 0 | 0 | |
| | 1 | 1 | 3 | 3 | 3 | 3 | 4 | 4 | 6 | 6 | 8 | 8 | 7 | 7 | 4 | 4 | 5 | 5 | 6 | 6 | 9 | 9 | 0 | 0 | 1 | |
| | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Ascending Colon | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | X | X | | | | | X | | | X | | | | | | | | | | | X | | |
| Carcinoma | | | | | | | | | | | | | | | X | | | | X | X | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | X | | | | | | | | | | |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | X | | | X | X | | | | | | | X | | | X | | | | | | | | | |
| Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | X | |
| Carcinoma | | | | | | | | | | | | | | | X | | | | | | | | | |
| Leiomyosarcoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | X | | | | | | | | | | | | X |
| Intestine Large, Colon | + | | | | | | | | | | + | + | | | | | | | | | | | | |
| Adenoma | X | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Descending Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Transverse Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | X | | | | | | | | | | X | | | | | | | | | | | | | |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | X | | | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

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

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

| | | 0
6
4
2 | 0
6
4
6 | 0
6
9
7 | 0
7
3
7 | 0
7
3
7 | 0
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7 | 0
7
0
7 | 0
7
3
7 | 0
6
8
0 | 0
6
9
1 | 0
7
3
7 | 0
6
2
2 | 0
6
6
5 | 0
6
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9 | 0
7
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7 | 0
7
3
7 | 0
4
8
2 | 0
6
3
1 | 0
6
0
7 | 0
5
7
4 | 0
3
3
8 | 0
1
1
7 | 0
6
6
3 | 0
7
1
0 | 0
0
1
1 | 0
1
1
1 | 0
6
3
7 | 0
7
2
7 | males
(cont...) | |
|--|--|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---|-----------------------|--|
| DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FISCHER 344 RATS-NCTR RATS MALE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALOEWHOLLEAF 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ANIMAL ID | | 0
0
0
1
1 | 0
0
0
1
2 | 0
0
0
3
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0
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3
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2 | 0
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4
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1 | 0
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8
2 | 0
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5
8
1 | 0
0
5
8
2 | 0
0
7
4
1 | 0
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7
4
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1
1 | 0
1
0
0
2 | 0
1
1
1
2 | 0
1
1
1
2 | 0
1
1
1
2 | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | |
| Intestine Small, Ileum
Leukemia Mononuclear | | + | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | |
| Intestine Small, Jejunum
Leukemia Mononuclear | | + + + + + + A + | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | |
| Liver
Hepatocellular Carcinoma
Leukemia Mononuclear | | + | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | |
| Mesentery
Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | + | | |
| Oral Mucosa
Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | +
X | | |
| Pancreas
Leukemia Mononuclear
Acinar Cell, Adenoma | | + | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | |
| Proximal Colon
Adenoma
Carcinoma
Leukemia Mononuclear | | + M M + + + | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | |
| Salivary Glands | | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. 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. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|---------------------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FISCHER 344 RATS-NCTR RATS MALE | | 4 | 4 | 9 | 3 | 3 | 3 | 0 | 3 | 8 | 9 | 3 | 2 | 6 | 8 | 3 | 3 | 8 | 3 | 1 | 7 | 4 | 3 | 1 | 6 | 7 | 6 | 6 | |
| ALOEWHOLLEAF 1.5 | | 2 | 6 | 7 | 7 | 7 | 7 | 0 | 7 | 0 | 1 | 7 | 2 | 5 | 9 | 7 | 7 | 2 | 1 | 7 | 4 | 8 | 7 | 0 | 0 | 7 | 2 | 7 | |
| 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 | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 5 | 5 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| | | 1 | 1 | 3 | 3 | 3 | 4 | 4 | 6 | 6 | 8 | 8 | 7 | 7 | 4 | 4 | 5 | 5 | 6 | 6 | 9 | 9 | 0 | 0 | 2 | 2 | 1 | 1 | |

males
(cont...)

Stomach, Glandular
 Leukemia Mononuclear

+
 X

CARDIOVASCULAR SYSTEM

Blood Vessel

+ +

Heart

+
 Leukemia Mononuclear X X X X
 Schwannoma Malignant X

ENDOCRINE SYSTEM

Adrenal Cortex

+
 Leukemia Mononuclear X

Adrenal Medulla

+
 Leukemia Mononuclear X
 Pheochromocytoma Benign X
 Pheochromocytoma Malignant X
 Bilateral, Pheochromocytoma Malignant X

Islets, Pancreatic

+
 Adenoma X
 Leukemia Mononuclear X X

Parathyroid Gland

+ +

Pituitary Gland

+ +

* .. 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. 20116 - 03
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 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
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 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS MALE
ALOEWHOLLEAF 1.5 | 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 | ANIMAL ID | males
(cont...) |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|
| | 0642 | 0646 | 0649 | 0673 | 0677 | 0677 | 0677 | 0677 | 0663 | 0666 | 0676 | 0666 | 0666 | 0666 | 0666 | 0666 | 0666 | 0666 | 0666 | 0666 | 0666 | 0666 | 0666 | 0666 | 0666 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 1 | 1 | 3 | 3 | 3 | 3 | 4 | 4 | 6 | 6 | 8 | 7 | 7 | 4 | 4 | 5 | 5 | 6 | 6 | 9 | 9 | 0 | 0 | 1 | | |
| | | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|
| Leukemia Mononuclear
Pars Distalis, Adenoma | X | X | X | | | | | | X | X | X | X | | | | X | X | | X | | | | | | | X |
| Thyroid Gland
Bilateral, C-cell, Adenoma
C-cell, Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | X |

GENERAL BODY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|
| Tissue NOS
Mediastinum, Leukemia Mononuclear
Scrotal, Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | + | X |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|---|
| Epididymis
Leukemia Mononuclear
Mesothelioma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | X |
| Preputial Gland
Adenoma
Carcinoma
Squamous Cell Carcinoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X | | | X |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | |
| Seminal Vesicle
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | X | |
| Testes
Mesothelioma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | |

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
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 Species/Strain: RATS/F 344/NCTR

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 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| DAY ON TEST | FISCHER 344 RATS-NCTR RATS MALE | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males (cont...) | | | | | |
|---------------------------------------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|-----------------|------|------|------|------|------|
| | 0642 | 0646 | 0669 | 0673 | 0677 | 0677 | 0677 | 0677 | 0677 | 0683 | 0689 | 0691 | 0697 | 0697 | 0698 | 0698 | 0699 | 0699 | 0699 | 0699 | | | 0699 | 0699 | 0699 | 0699 | 0699 |
| ALOEWHOLLEAF 1.5 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 |
| Bilateral, Interstitial Cell, Adenoma | | | | X | X | X | | X | | | | X | X | X | X | | X | | | | | | | | | | |
| Interstitial Cell, Adenoma | X | X | | | | | X | | X | | X | | | | | | | X | X | | | | | | | | |

HEMATOPOIETIC SYSTEM

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

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | + | + | + | + | + | + | M | M | + | + | + | M | + | + | + | 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
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 BLANK .. Not examined microscopically

TDMS No. 20116 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
Time Report Requested: 14:39:01
First Dose M/F: 04/17/05 / 04/17/05
Lab: NCTR

| DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | males
(cont...) | | |
|---------------------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|---|
| FISCHER 344 RATS-NCTR RATS MALE | | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 6 | 6 | 6 | 7 | 7 | 4 | 6 | 6 | 5 | 3 | 1 | 6 | 7 | | | |
| ALOEWHOLLEAF 1.5 | | 4 | 4 | 9 | 3 | 3 | 3 | 0 | 3 | 8 | 9 | 3 | 2 | 6 | 8 | 3 | 3 | 8 | 3 | 0 | 7 | 3 | 1 | 6 | | 3 | 2 |
| ANIMAL ID | | 2 | 6 | 7 | 7 | 7 | 7 | 0 | 7 | 0 | 1 | 7 | 2 | 5 | 9 | 7 | 7 | 2 | 1 | 7 | 4 | 8 | 7 | 0 | 7 | 7 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | |
| | | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 5 | 5 | 7 | 7 | 8 | 8 | 8 | 8 | 0 | 0 | 1 | 1 | 1 | |
| | | 1 | 1 | 3 | 3 | 3 | 4 | 4 | 6 | 6 | 8 | 8 | 7 | 7 | 4 | 4 | 5 | 5 | 6 | 6 | 9 | 9 | 0 | 0 | 0 | 0 | |
| | | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | |

Fibroadenoma
Leukemia Mononuclear

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Fibroma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Keratoacanthoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sarcoma | X | | | | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Brain, Brain Stem | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peripheral Nerve | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spinal Cord | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. 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. 20116 - 03
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 Aloe vera whole leaf extract (native)
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 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | | |
|------------------------------------|------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|---|---|---|
| FISCHER 344 RATS-NCTR RATS
MALE | ALOEWHOLLEAF 1.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | | |
| | | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 6 | 6 | 6 | 7 | 7 | 4 | 6 | 6 | 5 | | 3 | 1 | 6 | 7 |
| | | 4 | 4 | 9 | 3 | 3 | 3 | 0 | 3 | 8 | 9 | 3 | 2 | 6 | 8 | 3 | 3 | 8 | 3 | 0 | 7 | 3 | 1 | 6 | 3 | 2 |
| | | 2 | 6 | 7 | 7 | 7 | 7 | 0 | 7 | 0 | 1 | 7 | 2 | 5 | 9 | 7 | 7 | 2 | 1 | 7 | 4 | 8 | 7 | 0 | 7 | 7 |
| | | 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 | 1 | 1 | 1 | 1 | 1 |
| | | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 5 | 5 | 7 | 7 | 8 | 8 | 8 | 8 | 0 | 0 | 1 | 1 | 1 |
| | | 1 | 1 | 3 | 3 | 3 | 4 | 4 | 6 | 6 | 8 | 8 | 7 | 7 | 4 | 4 | 5 | 5 | 6 | 6 | 9 | 9 | 0 | 0 | 0 | |
| | | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 |

Astrocytoma Malignant

X

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | X | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | X | | | | | | X | | | | X | | | | | X | | | X | X | X | | |
| Sarcoma, Metastatic, Skin | X | | | | | | | | | | | | | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SPECIAL SENSES SYSTEM

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

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | X | | | | | | | | | | | | X |
| Renal Tubule, Adenoma | | | | X | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SYSTEMIC LESIONS

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

* .. Total animals with tissue examined microscopically; Total animals with tumor
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 X .. Lesion present
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| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------------|
| FISCHER 344 RATS-NCTR RATS MALE
ALOEWHOLLEAF 1.5 | DAY ON TEST | 0642 | 0646 | 0697 | 0737 | 0777 | 0777 | 0777 | 0630 | 0668 | 0669 | 0732 | 0666 | 0668 | 0733 | 0733 | 0488 | 0663 | 0667 | 0574 | 0338 | 0161 | 0667 | 0762 | males
(cont...) |
| | 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 | |

Mesothelioma Malignant

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TDMS No. 20116 - 03
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P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
ALOEWHOLLEAF 1.5 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | |
|--|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|-----|-----|-----|-----|
| | 050 | 035 | 073 | 073 | 068 | 073 | 073 | 050 | 066 | 056 | 074 | 044 | 044 | 066 | 066 | 066 | 054 | 044 | 077 | 073 | | 073 | 073 | 073 | 073 |
| ANIMAL ID | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 |
| | 21 | 22 | 22 | 22 | 23 | 23 | 23 | 23 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 29 | 29 | 29 | 29 | 29 | 29 | 29 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Intestine Large, Ascending Colon | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Adenoma | | | X | X | | | | | | X | | | | | | | | | | | | | | | 8 |
| Carcinoma | | | | | | | | | | | | | X | X | | | X | | | | | X | X | | 8 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Adenoma | | | | | | | | | | X | | | | | | X | | | | | | | | | 7 |
| Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Carcinoma | | | | | | | | | | | | | | | | | X | | | | | | | | 2 |
| Leiomyosarcoma | | | | | | | X | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | | | | | | | | | | X | | | | | | | | | | | | | | 3 |
| Intestine Large, Colon | | | | | | | | | | + | | | | | | + | | | | | | | | | 5 |
| Adenoma | | | | | | | | | | | | | | | | X | | | | | | | | | 2 |
| Intestine Large, Descending Colon | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Leukemia Mononuclear | | | | | | | | | | | | X | | | | | | | | | | | | | 1 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Intestine Large, Transverse Colon | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | X | 3 |
| Carcinoma | | | | | | | | | | | | | | | | | X | | | | | | | | 1 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
ALOEWHOLLEAF 1.5 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|--|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|-----|-----|-----|
| | 050 | 035 | 073 | 073 | 068 | 073 | 073 | 050 | 066 | 056 | 074 | 044 | 044 | 066 | 066 | 066 | 054 | 045 | 072 | 073 | | 073 | 073 | 073 |
| ANIMAL ID | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | | | | | | | | | | | | X | | | | | | | | | | | 2 |
| Intestine Small, Jejunum | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Hepatocellular Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | | | | X | X | X | | | | X | X | X | X | X | X | X | | X | | X | X | 22 | |
| Mesentery | | | | | + | | | | + | | | | | | | | | | | | | | 5 | |
| Mesothelioma Malignant | | | | | X | | | | | | | | | | | | | | | | | | 1 | |
| Oral Mucosa | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Leukemia Mononuclear | | | | | | | | | | | | | X | | | | | | | | | X | 4 | |
| Acinar Cell, Adenoma | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Proximal Colon | A | M | + | + | + | + | + | + | + | + | + | M | M | + | + | + | M | + | + | + | + | + | 41 | |
| Adenoma | | | | X | | | | X | | X | | | | X | | | | X | | X | | X | 10 | |
| Carcinoma | | | | | | | | | | | | | | | | | X | | | | | | 4 | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
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Date Report Requested: 01/15/2010
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 Lab: NCTR

| DAY ON TEST | FISCHER 344 RATS-NCTR RATS MALE | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|---------------------------------------|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|-----|-----|
| | 050 | 035 | 073 | 073 | 069 | 073 | 073 | 050 | 068 | 054 | 073 | 047 | 044 | 062 | 066 | 066 | 054 | 045 | 072 | 073 | | 073 | 073 |
| ANIMAL ID | ALOEWHOLLEAF 1.5 | | | | | | | | | | | | | | | | | | | | | | |
| | 011 | 012 | 012 | 013 | 013 | 013 | 013 | 013 | 013 | 013 | 013 | 013 | 013 | 013 | 013 | 013 | 013 | 013 | 013 | 013 | 013 | 013 | 013 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | X | |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | X | | | | | X | | | | | | | X | | X | | |
| Schwannoma Malignant | | | | | | | | | | | | | | | | | | X | | | | | |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | X | | X | | | | | | | | | | | | | | X | | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | X | | X | | |
| Pheochromocytoma Benign | | | | | | | | | | | | | | | | | X | | | | | X | |
| Pheochromocytoma Malignant | | | | X | | | | | | | | | | | | | | | X | X | | | |
| Bilateral, Pheochromocytoma Malignant | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | X | | | | | | | | X | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | X | | | | | | | | | | | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | X | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

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

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

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| FISCHER 344 RATS-NCTR RATS
MALE
ALOEWHOLLEAF 1.5 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|--|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|-----|-----|
| | 050 | 035 | 073 | 073 | 069 | 073 | 073 | 050 | 068 | 054 | 073 | 047 | 044 | 062 | 066 | 067 | 054 | 045 | 072 | 073 | | 073 | 073 |
| ANIMAL ID | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 |
| Leukemia Mononuclear
Pars Distalis, Adenoma | | | X | | X | | X | X | | X | | X | X | | X | | X | | X | | X | X | |
| Thyroid Gland
Bilateral, C-cell, Adenoma
C-cell, Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Tissue NOS
Mediastinum, Leukemia Mononuclear
Scrotal, Mesothelioma Malignant | | | | | | | | | | | | | | | + | | | | | | | | |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Epididymis
Leukemia Mononuclear
Mesothelioma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Preputial Gland
Adenoma
Carcinoma
Squamous Cell Carcinoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Seminal Vesicle
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Testes
Mesothelioma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

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

M .. Missing tissue
 A .. Autolysis precludes evaluation
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Test Type: CHRONIC
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 Aloe vera whole leaf extract (native)
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| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|----------------------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|
| | | 5 | 3 | 7 | 7 | 6 | 7 | 7 | 5 | 6 | 5 | 7 | 4 | 4 | 6 | 6 | 6 | 5 | 4 | 7 | 7 | 7 | 7 | 7 |
| | | 5 | 5 | 3 | 3 | 9 | 3 | 3 | 0 | 8 | 4 | 3 | 7 | 9 | 2 | 6 | 7 | 4 | 5 | 2 | 3 | 1 | 3 | 3 |
| | | 0 | 5 | 7 | 7 | 8 | 7 | 1 | 9 | 1 | 9 | 7 | 8 | 6 | 6 | 9 | 0 | 9 | 2 | 2 | 7 | 2 | 7 | 7 |
| DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | |
| FISCHER 344 RATS-NCTR RATS | | | | | | | | | | | | | | | | | | | | | | | | |
| MALE | | | | | | | | | | | | | | | | | | | | | | | | |
| ALOEWHOLLEAF 1.5 | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | | 2 | 2 | 2 | 3 | 3 | 1 | 1 | 2 | 2 | 0 | 0 | 5 | 5 | 6 | 7 | 7 | 0 | 0 | 1 | 1 | 1 | 2 | 2 |
| | | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 |
| | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|--|--|--|---|---|---|---|---|--|--|--|--|---|---|---|---|---|--|--|---|---|---|--|-----------|
| Bilateral, Interstitial Cell, Adenoma | | | | X | X | X | X | X | | | | | X | X | X | X | X | | | X | X | X | | 23 |
| Interstitial Cell, Adenoma | | | | | | | | | | | | | | X | X | X | | | | | | | | 11 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | | | | | | X | | | | X | X | X | | | | | | | | | | | | 6 |
| Lymph Node | | | | | + | | | + | | | | + | | + | + | + | | | + | | + | | | 17 | |
| Axillary, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Deep Cervical, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Lumbar, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | X | | | | | | | 1 |
| Mediastinal, Leukemia Mononuclear | | | | | | X | | | | | | | | | | | | X | | X | | | | | 5 |
| Pancreatic, Leukemia Mononuclear | | | | | | | | | | | | | | | X | X | X | | | | X | | | | 7 |
| Renal, Leukemia Mononuclear | | | | | X | | | | | | | | | | | | | X | | | | | | | 3 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | X | | | X | | X | | | | 6 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | | | | | X | | | | | X | X | | | | | | X | | X | | | | | 7 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | | | | | X | X | X | | | X | X | X | X | X | X | X | | X | | X | X | X | X | 24 |
| Thymus | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 44 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | X | | | X | | X | | | | | 5 |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Mammary Gland | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 41 |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|

* .. 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

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MALE
ALOEWHOLLEAF 1.5 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|--|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|-----|
| | 050 | 035 | 073 | 073 | 069 | 073 | 073 | 050 | 068 | 056 | 074 | 043 | 047 | 062 | 066 | 067 | 054 | 045 | 072 | 073 | | 073 |
| ANIMAL ID | 011 | 012 | 012 | 012 | 013 | 013 | 013 | 013 | 013 | 013 | 013 | 013 | 013 | 013 | 013 | 013 | 013 | 013 | 013 | 013 | 013 | |
| Fibroadenoma | | | | | | | | | | X | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | X | | | 1 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Fibroma | | | | | | | | | | | | | | | | | | | | | | 1 |
| Keratoacanthoma | | | | X | | | | | | | | | | | | | | | | | X | 2 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | X | | X | | 2 |
| Sarcoma | | | | | | | | | | | | | | | | | | | | | | 2 |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | |
| Bone | | | | | | | | | | | | | | | | | | | | | | 1 |
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | 2 |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | |
| Brain, Brain Stem | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | | | | | | | | | | | X | | X | | | | X | | X | | 6 |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | | | | | | | | | | | X | | X | | | | X | | X | | 7 |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | | | | | | | | | | | X | | X | | | | X | | X | | 5 |
| Peripheral Nerve | | | | | | | | | | | | | | | | | | | | | | 3 |
| Spinal Cord | | | | | | | | | | | | | | | | | | | | | | 3 |

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
ALOEWHOLLEAF 1.5 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|--|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|-----|-----|-----|
| | 050 | 035 | 073 | 073 | 068 | 073 | 073 | 050 | 068 | 056 | 074 | 044 | 044 | 066 | 066 | 066 | 054 | 045 | 072 | 073 | | 073 | 073 | 073 |
| ANIMAL ID | 011 | 012 | 012 | 012 | 012 | 013 | 013 | 013 | 013 | 016 | 016 | 016 | 016 | 016 | 016 | 016 | 019 | 019 | 019 | 019 | 019 | 019 | 019 | 019 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 2 | 2 | 2 | 2 | 3 | 3 | 1 | 1 | 1 | 2 | 2 | 0 | 0 | 5 | 5 | 6 | 6 | 7 | 7 | 0 | 1 | 1 | 2 | 2 |
| | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 |

Astrocytoma Malignant

1

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | | | | X | X | | | | X | X | X | X | | X | X | X | | | | | | | 16 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | | | | | | | | | | | | X | | | | | | | | | | | 3 |
| Renal Tubule, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | | | X | X | X | | | | X | X | X | X | X | X | X | | X | X | X | X | | | 24 |

* .. 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. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:01

First Dose M/F: 04/17/05 / 04/17/05

Lab: NCTR

| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|-----------------|---|--|
| DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | |
| FISCHER 344 RATS-NCTR RATS MALE | 5 | 3 | 7 | 7 | 6 | 7 | 7 | 5 | 6 | 5 | 7 | 4 | 4 | 6 | 6 | 6 | 6 | 5 | 4 | 7 | 7 | 7 | 7 | |
| ALOEWHOLLEAF 1.5 | 5 | 5 | 3 | 3 | 9 | 3 | 3 | 0 | 8 | 4 | 3 | 7 | 9 | 2 | 6 | 7 | 4 | 5 | 2 | 3 | 1 | 3 | 3 | |
| | 0 | 5 | 7 | 7 | 8 | 7 | 1 | 9 | 1 | 9 | 7 | 8 | 6 | 6 | 9 | 0 | 9 | 2 | 2 | 7 | 2 | 7 | 7 | |
| ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | |
| | 2 | 2 | 2 | 3 | 3 | 1 | 1 | 2 | 2 | 0 | 0 | 5 | 5 | 6 | 7 | 7 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | |
| | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | |
| | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
| Mesothelioma Malignant | X | | | | | | | | | | X | | | | | | | | | | 2 | | | |

*** END OF MALE DATA ***

* .. 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. 20116 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Aloe vera whole leaf extract (native)
CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
Time Report Requested: 14:39:01
First Dose M/F: 04/17/05 / 04/17/05
Lab: NCTR

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

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Intestine Large, Ascending Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Large, Descending Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Large, Transverse Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hepatocellular Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | X | X | | | | | | X | X | | | | | | | | | | | | | | |
| Mesentery | | | + | + | | | + | | | + | | | | | | | | | | | | | | | | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | X | | | | | | | | | | |
| Proximal Colon | + | + | + | + | + | + | + | 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. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
FEMALE
CONTROL WATER | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|--|
| | 0
7
3
7 | 0
7
3
7 | 0
7
3
7 | 0
7
0
1 | 0
6
9
0 | 0
7
3
7 | 0
7
0
2 | 0
4
8
6 | 0
5
4
8 | 0
6
6
2 | 0
7
3
7 | 0
7
3
7 | 0
7
0
4 | 0
7
3
7 | 0
7
3
7 | 0
7
3
7 | 0
7
3
7 | 0
7
3
7 | 0
7
3
7 | 0
7
3
7 | 0
4
0
4 | 0
7
3
7 | 0
6
3
7 | 0
7
0
4 | | | |
| Salivary Glands
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Stomach, Forestomach
Squamous Cell Papilloma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Heart
Leukemia Mononuclear
Schwannoma Malignant | + | + | + | X | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Adrenal Medulla
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Pituitary Gland
Leukemia Mononuclear
Pars Distalis, Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |

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

M .. Missing tissue
 A .. Autolysis precludes evaluation
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TDMS No. 20116 - 03
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 Aloe vera whole leaf extract (native)
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 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
FEMALE
CONTROL WATER | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|----------------------|------|
| | 0737 | 0737 | 0737 | 0737 | 0693 | 0737 | 0737 | 0488 | 0548 | 0662 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0473 | | | 0678 |
| | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 |
| | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 |

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

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Clitoral Gland | + | | | | | | | | | | | | | | | | | | | | | | | |
| Adenoma | X | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma | X | | | | | | | | | | | | | | | | | | | | | | | |
| Ovary | + | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | X | | | | | | | | | | | | | | | | | | | | | | | |
| Uterus | + | | | | | | | | | | | | | | | | | | | | | | | |
| Leiomyosarcoma | X | | | | | | | | | | | | | | | | | | | | | | | |
| Polyp Stromal | X | | | | | | | | | | | | | | | | | | | | | | | |
| Vagina | + | | | | | | | | | | | | | | | | | | | | | | | |
| Leiomyosarcoma, Metastatic, Uterus | X | | | | | | | | | | | | | | | | | | | | | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Bone Marrow | + | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | 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. 20116 - 03
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 Lab: NCTR

| | | 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 | |
| FISCHER 344 RATS-NCTR RATS
FEMALE | | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 4 | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 3 | 3 | 3 | 0 | 9 | 3 | 0 | 8 | 4 | 6 | 3 | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| CONTROL WATER | | 7 | 7 | 7 | 1 | 0 | 7 | 2 | 6 | 8 | 2 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 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 | 1 | 1 | 3 | 3 | 3 | 3 | 4 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |
| | | 9 | 9 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 4 | 1 | 1 | 3 | 3 | 4 | 4 | 7 | 7 | 0 | 0 | 9 | 9 | 0 | 0 | 1 |
| | | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 |

Zymbal's Gland
 Squamous Cell Carcinoma

+
 X

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Urinary Bladder
Transitional Epithelium, Papilloma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SYSTEMIC LESIONS

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

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

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

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Intestine Large, Ascending Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 47 | |
| Intestine Large, Cecum | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | |
| Intestine Large, Descending Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 47 | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Intestine Large, Transverse Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 47 | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Intestine Small, Ileum | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | |
| Intestine Small, Jejunum | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Hepatocellular Adenoma | | | | | | X | | | | | | | | | | | | | | | | | | | 1 | |
| Leukemia Mononuclear | | | | | | | X | | | X | | | | | | | | X | | X | | | X | | 9 | |
| Mesentery | | | | | | | | | | | | | | | | | + | | | | + | | | | 6 | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Leukemia Mononuclear | | | | | | | | | | | | | X | | | | | | | | | | | | 2 | |
| Proximal Colon | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | M | + | + | + | + | A | + | + | 43 | |

* .. 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. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
FEMALE
CONTROL WATER | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|
| | 0737 | 0688 | 0597 | 0737 | 0777 | 0777 | 0467 | 0677 | 0725 | 0777 | 0737 | 0737 | 0737 | 0737 | 0737 | 0077 | 0777 | 0677 | 0777 | 0677 | | 0777 | 0577 |
| ANIMAL ID | 00912 | 00921 | 00922 | 00971 | 00972 | 00971 | 00972 | 00971 | 00972 | 00971 | 00972 | 00971 | 00972 | 00971 | 00972 | 00971 | 00972 | 00971 | 00972 | 00971 | 00972 | 00971 | 00972 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | X | | | | | | | | | | | | | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | |
| Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | | | X | |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | X | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Parathyroid Gland | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Adenoma | X | X | X | X | X | X | X | X | X | | | | | X | X | | | X | X | X | | X | |

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

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

Pars Distalis, Carcinoma

1

Thyroid Gland

+ +

48

C-cell, Adenoma

X

X

X

X

5

C-cell, Carcinoma

1

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland

+ +

48

Adenoma

X

X

5

Carcinoma

X

3

Ovary

+ +

48

Leukemia Mononuclear

X

X

3

Uterus

+ +

48

Leiomyosarcoma

1

Polyp Stromal

X

X

X

X

11

Vagina

+

4

Leiomyosarcoma, Metastatic, Uterus

1

HEMATOPOIETIC SYSTEM

Bone Marrow

+ +

48

Leukemia Mononuclear

1

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
FEMALE
CONTROL WATER | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|
| | 0737 | 0688 | 0597 | 0737 | 0777 | 0777 | 0467 | 0677 | 0727 | 0737 | 0777 | 0777 | 0777 | 0777 | 0777 | 0077 | 0777 | 0677 | 0777 | 0677 | | 0777 | 0577 | 0377 |
| ANIMAL ID | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | |
| Axillary, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreatic, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | |
| Thymus | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | | | | | | | | | | | | | | | | | | | | | | | | |
| Adenocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibroadenoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Skin | | | | | | | | | | | | | | | | | | | | | | | | |
| Basal Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | |

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
FEMALE
CONTROL WATER | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|
| | 0737 | 0688 | 0597 | 0737 | 0777 | 0777 | 0467 | 0677 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0677 | 0737 | | 0657 | 0737 | 0537 |
| ANIMAL ID | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 | 00912 |
| Ear, Squamous Cell Papilloma | | | X | | | | | | | | | | | | | | | | | | | | | 1 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|
| Brain, Brain Stem | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Brain, Cerebellum
Carcinoma, Metastatic, Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48
1 |
| Brain, Cerebrum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X | 48
1 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|
| Lung
Alveolar/Bronchiolar Adenoma
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48
1
8 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
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 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

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

Zymbal's Gland
 Squamous Cell Carcinoma

1
 1

URINARY SYSTEM

Kidney
 Urinary Bladder
 Transitional Epithelium, Papilloma

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| | | | | | | | | | | | | | | X | | | | | | | | | | | 1 |

SYSTEMIC LESIONS

Multiple Organ
 Leukemia Mononuclear

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| | | | | | | X | | | | X | | | | | | | | X | | X | | | X | | 10 |

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

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

| 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 | 0 | 0 |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FISCHER 344 RATS-NCTR RATS FEMALE | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 5 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 |
| ALOEWHOLLEAF 0.5 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 7 | 3 | 6 | 3 | 3 | 3 | 1 | 3 | 3 | 7 | 7 | 3 | 3 | 7 | 3 | 3 | 7 |
| 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 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 5 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 0 | 1 |
| | 5 | 5 | 8 | 8 | 7 | 7 | 8 | 8 | 7 | 7 | 9 | 0 | 0 | 3 | 3 | 6 | 6 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | |
| | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

females (cont...)

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Large, Ascending Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Large, Cecum
Lipoma | + | + | + | + | + | + | X | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Large, Descending Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Large, Transverse Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Small, Ileum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Liver
Leukemia Mononuclear | + | + | X | + | + | + | + | + | + | + | + | + | + | + | + | X | + | + | + | X | X | + | + | + | + | + | + | + | + | |
| Mesentery | | | | | + | + | | + | + | | | | | | | | | + | + | | | | | | | + | | | | |
| Oral Mucosa
Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. 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. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
FEMALE
ALOEWHOLLEAF 0.5 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | females
(cont...) | | | | | | | | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|------|------|------|------|------|------|------|---|
| | 0720 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | | 0733 | 0733 | 0733 | 0733 | 0733 | | | |
| 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 | 0026 | 0027 | 0028 | 0029 | 0030 | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Proximal Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Parathyroid Gland | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

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

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

TDMS No. 20116 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Aloe vera whole leaf extract (native)
CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
Time Report Requested: 14:39:01
First Dose M/F: 04/17/05 / 04/17/05
Lab: NCTR

| DAY ON TEST | FISCHER 344 RATS-NCTR RATS FEMALE ALOEWHOLLEAF 0.5 | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females (cont...) |
|--------------------------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|-------------------|
| | 0720 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0544 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | | |
| Pars Distalis, Adenoma | X | | | X | X | X | | X | 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 | | | | |
| C-cell, Carcinoma | | X | | | | | | | | | | | | | | | | | | | | | | | | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | X | | | | X | | | | | | | | X | | | | | | | | | |
| Adenoma, Multiple | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Carcinoma | | | | | | | | | | | X | | | | | | | | | | X | | | | |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Polyp Stromal | | X | X | X | | | X | | | | | | | | | | | | | | | | X | | |
| Vagina | | | | | | | | | | | | | | | | | | | | | | | | | |
| Polyp | | | | | | | | | | | | | | | | | | | | | | | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | X |

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
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 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
FEMALE
ALOEWHOLLEAF 0.5 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
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7 | 0
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8 | 0
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9 | 0
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3 | 0
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5 | 0
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6 | 0
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7 | 0
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8 | 0
0
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8 | 0
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2 | 0
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2 | 0
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1
2 | 0
0
2
2 |

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

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain, Brain Stem | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Peripheral Nerve | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spinal Cord | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

RESPIRATORY SYSTEM

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

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

* .. 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. 20116 - 03
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 Species/Strain: RATS/F 344/NCTR

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 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |
|--------------------------------------|--|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------------------|
| FISCHER 344 RATS-NCTR RATS
FEMALE | | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | |
| ALOEWHOLLEAF 0.5 | | 20 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 44 | 37 | 37 | 37 | 57 | 37 | 66 | 37 | 37 | 37 | 37 | 17 | 37 | 37 | 77 | 77 | |
| 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 | |
| | | 51 | 52 | 81 | 82 | 71 | 72 | 81 | 82 | 71 | 72 | 81 | 82 | 71 | 72 | 81 | 82 | 71 | 72 | 81 | 82 | 71 | 72 | 81 | 82 | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lacrimal Gland | + | | | | | | | | | | | | | | | | | | | | | | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SYSTEMIC LESIONS

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

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

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

TDMS No. 20116 - 03
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Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|-----------------|
| FISCHER 344 RATS-NCTR RATS FEMALE
ALOEWHOLLEAF 0.5 | 0647 | 0733 | 0733 | 0356 | 0692 | 0523 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0685 | 0547 | 0773 | 0773 | 0547 | 0473 | 0771 | 0773 | | |
| | 0103 | 0104 | 0104 | 0117 | 0117 | 0118 | 0118 | 0222 | 0223 | 0335 | 0335 | 0445 | 0445 | 0666 | 0666 | 0666 | 0668 | 0888 | 0888 | 0888 | | |
| | 21 | 14 | 24 | 17 | 17 | 28 | 18 | 10 | 22 | 14 | 25 | 25 | 22 | 11 | 23 | 34 | 21 | 24 | 66 | 28 | 88 | * TOTALS |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | 47 |
| Intestine Large, Ascending Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Intestine Large, Cecum
Lipoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48
1 |
| Intestine Large, Descending Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Intestine Large, Transverse Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Intestine Small, Ileum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48
1 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Liver
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48
9 |
| Mesentery | | | | + | | | | | | | | | | + | | | | | | | | | 9 |
| Oral Mucosa
Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | 1
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. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
FEMALE
ALOEWHOLLEAF 0.5 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|------|--|
| | 0647 | 0737 | 0737 | 0356 | 0698 | 0523 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0684 | 0556 | 0496 | 0737 | 0737 | 0527 | | 0472 | 0737 | 0711 | 0731 | |
| ANIMAL ID | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | |
| Proximal Colon | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | M | + | + | + | 45 | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | |
| Leukemia Mononuclear | X | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | |
| Adenoma | | | | | | | | | | | | X | | | | | | | | | | | | 1 | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | X | | | | | | | | | 1 | | |
| Adrenal Medulla | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | |
| Parathyroid Gland | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | 45 | | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | |

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|-----------------------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
| DAY ON TEST | | 6 | 7 | 7 | 3 | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 5 | 4 | 7 | 7 | 5 | 4 | 7 | 7 | |
| FISCHER 344 RATS-NCTR RATS FEMALE | | 4 | 3 | 3 | 5 | 9 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 8 | 5 | 9 | 3 | 3 | 2 | 7 | 3 | 1 | 3 | |
| ALOEWHOLLEAF 0.5 | | 7 | 7 | 7 | 6 | 8 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 6 | 6 | 7 | 7 | 7 | 2 | 7 | 1 | 1 | |
| ANIMAL ID | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 8 | 8 | 8 | 8 | 8 | |
| | | 3 | 4 | 4 | 7 | 7 | 8 | 8 | 0 | 4 | 4 | 5 | 5 | 2 | 2 | 3 | 3 | 4 | 4 | 6 | 6 | 8 | 8 | |
| | | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | |
| | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
| Pars Distalis, Adenoma | | | X | X | X | X | X | | X | X | X | X | X | | X | X | | X | X | X | X | | | 35 |
| Pars Distalis, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Thyroid Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 |
| C-cell, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| C-cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | | | | | |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | |
| Clitoral Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 |
| Adenoma | | | | | | X | | | | | | X | | | | X | X | | | | | | X | 8 |
| Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Carcinoma | | | | | | | | | | | | | | X | | | | | X | | | | | 4 |
| Ovary | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 |
| Uterus | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 |
| Polyp Stromal | | | X | | | | X | | X | | | | | X | | X | X | | X | | | | X | 13 |
| Vagina | | + | | | | + | | | | | | | | | | | | | + | | | | | 3 |
| Polyp | | | | | | | | | | | | | | | | | | | X | | | | | 1 |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | 1 |

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
FEMALE
ALOEWHOLLEAF 0.5 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|------|--|
| | 0647 | 0737 | 0737 | 0356 | 0698 | 0523 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0684 | 0556 | 0496 | 0737 | 0737 | 0572 | | 0477 | 0737 | 0737 | 0737 | |
| ANIMAL ID | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | 01032 | | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brachial, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Leukemia Mononuclear | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreatic, Leukemia Mononuclear | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thoracic, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | | |
| Leukemia Mononuclear | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Leukemia Mononuclear | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Leukemia Mononuclear | X | X | | | | X | | | | | | X | | X | | X | | | | | X | | X | | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Adenocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibroadenoma | | | | | | X | X | | X | | X | | X | | | | | X | | X | | | | | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone | | | | | | + | | | | | | | | | | | | | | | | | | | | |

* .. 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. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
|--------------------------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|---|---|---|---|---|---|----|----|
| FISCHER 344 RATS-NCTR RATS
FEMALE | | 6 | 7 | 7 | 3 | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| ALOEWOLLEAF 0.5 | | 4 | 3 | 3 | 5 | 9 | 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 | 3 | 3 | 3 | | |
| ANIMAL ID | | 7 | 7 | 7 | 6 | 8 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | |
| | | 3 | 4 | 4 | 7 | 7 | 8 | 8 | 0 | 0 | 4 | 4 | 5 | 5 | 2 | 2 | 3 | 3 | 4 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | | |
| | | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | | | | |
| Bone, Femur | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Skeletal Muscle | | | | | + | | | | | + | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain, Brain Stem | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Brain, Cerebellum | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Brain, Cerebrum | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Peripheral Nerve | | | | | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Spinal Cord | | | | | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lung | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | X | | | | X | | | | | | | X | | X | | | | | | | | | | | | | | | | | | | | | 6 | |
| Nose | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Trachea | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:01

First Dose M/F: 04/17/05 / 04/17/05

Lab: NCTR

| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
|--|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|----|
| | | 6 | 7 | 7 | 3 | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 5 | 4 | 7 | 7 | 5 | 4 | 0 |
| DAY ON TEST | | 4 | 3 | 3 | 5 | 9 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 8 | 5 | 9 | 3 | 3 | 2 | 7 | 3 | |
| | | 7 | 7 | 7 | 6 | 8 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 6 | 6 | 7 | 7 | 7 | 2 | 7 | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| FISCHER 344 RATS-NCTR RATS FEMALE | | | | | | | | | | | | | | | | | | | | | | | | |
| ALOEWHOLLEAF 0.5 | | | | | | | | | | | | | | | | | | | | | | | | |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 8 | 8 | 8 | |
| | | 3 | 4 | 4 | 7 | 7 | 8 | 8 | 0 | 0 | 4 | 4 | 5 | 5 | 2 | 2 | 3 | 3 | 4 | 4 | 6 | 6 | 8 | |
| | | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | |
| | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
| Harderian Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Lacrimal Gland | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Urinary Bladder | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | | | | | | | | | |
| Multiple Organ | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | X | X | | | X | | | | | | | X | | X | | X | | | | | X | X | 12 |

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |
|--------------------------------------|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|
| FISCHER 344 RATS-NCTR RATS
FEMALE | | 0
7
3
7 | 0
7
3
7 | 0
5
0
6 | 0
6
8
7 | 0
7
3
7 | 0
5
5
7 | 0
7
3
7 | 0
7
3
7 | 0
7
3
7 | 0
4
1
5 | 0
5
9
6 | 0
7
3
7 | 0
4
7
9 | 0
7
3
7 | 0
7
3
7 | 0
6
1
9 | 0
5
7
2 | 0
6
6
6 | 0
5
7
2 | 0
7
3
7 | 0
7
3
7 | 0
6
5
7 | 0
7
3
7 | 0
7
3
7 | |
| ALOEWHOLLEAF 1.0 | | 0
0
1
3
1 | 0
0
1
3
2 | 0
0
1
4
1 | 0
0
1
4
1 | 0
0
1
7
2 | 0
0
1
7
2 | 0
0
1
9
1 | 0
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2
9
2 | 0
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2
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1 | 0
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2 | 0
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1 | 0
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3
6
1 | 0
0
3
6
2 | 0
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5
1
2 | 0
0
5
1
2 | 0
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6
6
1 | 0
0
6
6
2 | 0
0
6
8
1 | 0
0
6
8
2 | 0
0
9
5
1 | 0
0
9
5
2 | 0
0
9
6
1 | 0
0
9
6
2 | 0
0
9
6
2 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Ascending Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Histiocytic Sarcoma | | | | X | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Intestine Large, Colon | | | + | | | | | | | | | | + | | | | | | | | | | | | | | |
| Intestine Large, Descending Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Transverse Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma | | | | X | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leiomyoma | | | | | | | | | | | | | | | | | | | | | | | | | X | | |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + |
| Leiomyosarcoma | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
FEMALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|
| | 0
7
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7 | 0
7
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7 | 0
5
0
6 | 0
6
8
7 | 0
7
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7 | 0
5
5
7 | 0
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7 | 0
7
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7 | 0
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7 | 0
4
1
5 | 0
5
9
6 | 0
7
3
7 | 0
4
7
7 | 0
7
2
9 | 0
7
3
7 | 0
6
1
9 | 0
5
7
2 | 0
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6 | 0
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2 | 0
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3
7 | 0
7
3
7 | 0
6
5
7 | 0
7
3
7 | 0
6
3
7 | 0
7
7
7 | | |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Histiocytic Sarcoma | | | | X | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | X | | | X | | | | | | | | X | X | | X | | | | | X | X | X | | | | |
| Mesentery | + | | | + | | | | | | | | | | | | | | | | | | + | | | | | |
| Histiocytic Sarcoma | | | | X | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oral Mucosa | | | | | | | | | | + | | | | | | | | | | | | | | | | | |
| Squamous Cell Carcinoma | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Histiocytic Sarcoma | | | | X | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Proximal Colon | + | + | M | + | + | + | + | + | + | M | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Adenoma | X | | | | | | X | | | | | X | | | | | | | | | | | | | | | |
| Carcinoma | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) | | | |
|--------------------------------------|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|-----------------------|----------------------------|--|
| FISCHER 344 RATS-NCTR RATS
FEMALE | | 0
7
3
7 | 0
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3
7 | 0
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6 | 0
6
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7 | 0
7
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7 | 0
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7 | 0
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5 | 0
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6 | 0
7
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7 | 0
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7 | 0
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9 | 0
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7 | 0
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9 | 0
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7 | | 0
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7 | 0
7
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7 | |
| ALOEWHOLLEAF 1.0 | | 0
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3
1 | 0
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1 | 0
0
9
6
2 | 0
0
9
6
1 | | 0
0
9
6
2 | 0
1
0
6
5
1 | |
| C-cell, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C-cell, Carcinoma | | | X | | | | | | | | | | | | | | | | | | | | | | | | | X | |

GENERAL BODY SYSTEM

Tissue NOS
 Mediastinum, Histiocytic Sarcoma

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | X | | | X | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ovary | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma | | | | | X | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | X | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Uterus | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Polyp Stromal | | | | | | | | | | X | X | X | | | | | X | | | | | | | | | | | X |
| Endometrium, Adenocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vagina | | | | | | | + | | | | | | | | | | | | | | | | | | | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
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 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

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

| | | 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 | | |
| | | 7 | 7 | 5 | 6 | 7 | 5 | 7 | 7 | 7 | 4 | 5 | 7 | 4 | 7 | 7 | 7 | 6 | 5 | 6 | 5 | 7 | 7 | 6 | 7 | |
| FISCHER 344 RATS-NCTR RATS
FEMALE | | 3 | 3 | 0 | 8 | 3 | 5 | 3 | 3 | 3 | 1 | 9 | 3 | 7 | 2 | 3 | 3 | 1 | 7 | 6 | 7 | 3 | 3 | 5 | 3 | 3 |
| | | 7 | 7 | 6 | 7 | 7 | 5 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 9 | 7 | 7 | 9 | 2 | 6 | 6 | 2 | 7 | 7 | 7 | 3 |
| ALOEWHOLLEAF 1.0 | | 0 | 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 |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 3 | 5 | 5 | 6 | 6 | 6 | 6 | 9 | 9 | 5 | 5 | 1 |
| | | 3 | 3 | 4 | 4 | 7 | 9 | 9 | 0 | 5 | 5 | 6 | 6 | 1 | 1 | 7 | 7 | 8 | 8 | 5 | 5 | 6 | 6 | 5 | 5 | 1 |
| | | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Axillary, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreatic, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thymus | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Mammary Gland | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibroadenoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Skin | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Basal Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

M .. Missing tissue
 A .. Autolysis precludes evaluation
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| | | 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 | | |
| FISCHER 344 RATS-NCTR RATS
FEMALE | ANIMAL ID | 7 | 7 | 5 | 6 | 7 | 5 | 7 | 7 | 7 | 4 | 5 | 7 | 4 | 7 | 7 | 7 | 6 | 5 | 6 | 5 | 7 | 7 | 6 | 7 | 7 | |
| ALOEWHOLLEAF 1.0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 3 | 5 | 5 | 6 | 6 | 6 | 6 | 8 | 8 | 5 | 5 | 6 | |
| | | 3 | 3 | 4 | 4 | 7 | 9 | 9 | 0 | 0 | 5 | 6 | 6 | 1 | 1 | 7 | 7 | 8 | 8 | 5 | 5 | 6 | 6 | 6 | 5 | | |
| | | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | |

Fibroma X
 Sarcoma X
 Subcutaneous Tissue, Fibroma

MUSCULOSKELETAL SYSTEM

Bone, Femur +

NERVOUS SYSTEM

Brain, Brain Stem +
 Leukemia Mononuclear

Brain, Cerebellum +
 Leukemia Mononuclear

Brain, Cerebrum +
 Astrocytoma Malignant X
 Leukemia Mononuclear

RESPIRATORY SYSTEM

Lung +
 Carcinoma, Metastatic, Thyroid Gland X
 Histiocytic Sarcoma X
 Leukemia Mononuclear X X 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
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |
|--------------------------------------|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|
| FISCHER 344 RATS-NCTR RATS
FEMALE | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| ALOEWHOLLEAF 1.0 | | 7 | 7 | 5 | 6 | 7 | 5 | 7 | 7 | 7 | 4 | 5 | 7 | 4 | 7 | 7 | 7 | 6 | 5 | 6 | 5 | 7 | 7 | 6 | 7 | |
| 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 |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 3 | 5 | 5 | 6 | 6 | 6 | 6 | 8 | 8 | 8 | 8 | 8 |
| | | 3 | 3 | 4 | 4 | 7 | 7 | 9 | 9 | 0 | 0 | 5 | 5 | 6 | 6 | 1 | 1 | 7 | 7 | 8 | 8 | 5 | 5 | 5 | 5 | 5 |
| | | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ear | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Zymbal's Gland
Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | |

URINARY SYSTEM

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

SYSTEMIC LESIONS

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

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
FEMALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|------|
| | 0737 | 0737 | 0737 | 0737 | 0570 | 0777 | 0777 | 0777 | 0777 | 0777 | 0476 | 0766 | 0666 | 0779 | 0666 | 0722 | 0666 | 0550 | 0553 | 0733 | | 0733 | 0565 |
| ANIMAL ID | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | |
| | 0737 | 0737 | 0737 | 0737 | 0570 | 0777 | 0777 | 0777 | 0777 | 0777 | 0476 | 0766 | 0666 | 0779 | 0666 | 0722 | 0666 | 0550 | 0553 | 0733 | 0733 | 0565 | |
| | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Intestine Large, Ascending Colon | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | + | + | + | 46 |
| Adenoma | | | | | | | | | | | | | | | | | | | | | X | | 1 |
| Carcinoma | X | | | | | | | | | | | | | | | | | | | | | | 1 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | X | | 1 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Intestine Large, Colon | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Intestine Large, Descending Colon | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | + | + | + | 46 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | X | | 1 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 47 |
| Intestine Large, Transverse Colon | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | + | + | + | 46 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | X | | 1 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leiomyoma | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | A | + | A | + | A | + | + | + | + | A | + | + | 43 |
| Leiomyosarcoma | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | X | | 1 |

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
FEMALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|------|
| | 0737 | 0737 | 0737 | 0737 | 0533 | 0737 | 0737 | 0737 | 0737 | 0737 | 0433 | 0733 | 0633 | 0633 | 0722 | 0622 | 0622 | 0522 | 0522 | 0733 | | 0733 | 0536 | 0733 |
| ANIMAL ID | 0102 | 0102 | 0102 | 0102 | 0102 | 0102 | 0102 | 0102 | 0102 | 0102 | 0102 | 0102 | 0102 | 0102 | 0102 | 0102 | 0102 | 0102 | 0102 | 0102 | 0102 | 0102 | 0102 | 0102 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | A | + | A | + | A | + | + | + | + | + | + | + | + | 45 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Histiocytic Sarcoma | | | | | | | | X | | | | | | | | | | | | | | | | 2 |
| Leukemia Mononuclear | | X | | | | X | | | | X | | | X | X | X | X | | | | | | X | | 16 |
| Mesentery | + | | | | | | | | | | | | + | + | + | | + | + | | + | | | | 10 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | | | | | | | | | | | | | X | | X | | | | | | | | 2 |
| Oral Mucosa | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | X | | | 1 |
| Proximal Colon | + | + | + | + | + | + | + | + | + | + | M | + | A | + | A | + | + | + | + | + | + | + | + | 42 |
| Adenoma | | X | | | | | | | | | | | | | | | | | | | | | | 4 |
| Carcinoma | | | | | | | | | | | | X | | | | | | | | | | | | 2 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | X | | | 1 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | X | | | 1 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | X | | | 1 |

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
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 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
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 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
FEMALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|-------|-------|-------|
| | 0737 | 0737 | 0737 | 0737 | 0570 | 0777 | 0777 | 0777 | 0777 | 0777 | 0476 | 0766 | 0666 | 0776 | 0666 | 0776 | 0666 | 0556 | 0556 | 0776 | | 0776 | 0556 | 0556 | 0776 | 0776 | 0556 |
| ANIMAL ID | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 | 01052 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 7 | 7 | 7 | 7 | 8 | 8 | 4 | 4 | 4 | 4 |
| | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | X | | | | | | | | | X | | X | | X | X | | | | | | | | | | | | 5 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | | | | | | | | | | | | X | | | X | | | | | | | | | | | | 2 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | X | | | | 1 |
| Pheochromocytoma Malignant | X | | | | | | | | | | | | | | | | | | | | | | X | | | | | 2 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | X | | | | 1 |
| Parathyroid Gland | + | + | + | M | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Adenoma | | | | | | X | | | | | | | | | | | | | | | | | | | | | | 1 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | X | | | | 1 |
| Pars Distalis, Adenoma | X | X | | X | | X | X | X | X | | X | X | | X | X | X | | | | | | | X | X | X | | | 30 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Bilateral, C-cell, Carcinoma | | | | | | | | X | | | | | | | | | | | | | | | | | | | | 1 |

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

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

TDMS No. 20116 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:01

First Dose M/F: 04/17/05 / 04/17/05

Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
FEMALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | |
|--|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------------|
| | 077 | 073 | 073 | 073 | 070 | 077 | 077 | 077 | 077 | 077 | 074 | 077 | 076 | 076 | 077 | 076 | 077 | 076 | 075 | 075 | 077 | |
| ANIMAL ID | 010 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 |
| | 572 | 711 | 712 | 711 | 882 | 861 | 662 | 881 | 882 | 991 | 992 | 012 | 012 | 111 | 112 | 211 | 212 | 711 | 712 | 712 | 841 | 842 |
| | | | | | | | | | | | | | | | | | | | | | | * TOTALS |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|---|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|
| C-cell, Adenoma | | | | X | | | | | | | | | | | | | | | | | | | 1 | |
| C-cell, Carcinoma | X | | | | | | | | | | | | | | | | | | | | | | | 3 |

GENERAL BODY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| Tissue NOS | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Mediastinum, Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | 1 |

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|----|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Adenoma | | | X | | | | | | | | | | | | | | | | | | | | | | 3 |
| Carcinoma | X | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | X | | | | | | | 1 |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | | | | | | | | | | | | X | | | | | | | | | | | | 3 |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | X | | | | | | | | 1 |
| Polyp Stromal | | | | X | | X | X | | | X | | X | | X | | | | | | | | X | | | 12 |
| Endometrium, Adenocarcinoma | | | | | | | | | | | | X | | | | | | | | | | | | | 1 |
| Vagina | | | | | | | | | | | | | | | | | | | | + | | | | | 2 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|----|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Histiocytic Sarcoma | | | | | | | X | | | | | | | | | | | | | | | | | | 1 |

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

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 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
FEMALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | | | |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------|
| | 0
7
3
7 | 0
7
3
7 | 0
7
3
7 | 0
7
3
7 | 0
5
3
0 | 0
7
3
7 | 0
7
3
7 | 0
7
3
7 | 0
7
3
7 | 0
7
3
7 | 0
4
3
6 | 0
7
3
7 | 0
6
9
8 | 0
6
6
9 | 0
7
2
9 | 0
6
2
5 | 0
7
2
3 | 0
6
9
2 | 0
5
0
2 | 0
5
3
6 | | | 0
7
3
7 | 0
7
3
7 |
| | 0
1
0
5
2 | 0
1
0
7
1 | 0
1
0
7
2 | 0
1
0
8
1 | 0
1
0
8
2 | 0
1
1
6
1 | 0
1
1
6
2 | 0
1
3
8
1 | 0
1
3
8
2 | 0
1
4
9
1 | 0
1
4
9
2 | 0
1
5
9
0 | 0
1
5
9
1 | 0
1
5
9
2 | 0
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5
9
1 | 0
1
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9
2 | 0
1
7
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1 | 0
1
7
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2 | 0
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2
1 | 0
1
7
2
2 | 0
1
7
4
1 | 0
1
8
4
2 | 0
1
8
4
2 | |
| | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|---|--|-----------|
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | 8 | | | |
| Axillary, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| Lumbar, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| Mediastinal, Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| Mediastinal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| Pancreatic, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | 3 | | | |
| Renal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | 6 | | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | 7 | | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | 19 | | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | | 45 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | 4 | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|--|-----------|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 |
| Fibroadenoma | | | | | | | | | | | | | | | | | | | | | | 9 | | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 |
| Basal Cell 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. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
FEMALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|-----------|--|
| | | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 6 | 6 | 7 | 6 | 7 | 6 | 5 | 5 | 7 | 7 | 5 | | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 9 | 6 | 6 | 2 | 2 | 2 | 9 | 0 | 3 | 3 | 3 | 6 | | |
| | | 7 | 7 | 7 | 7 | 0 | 7 | 7 | 7 | 7 | 6 | 7 | 8 | 9 | 9 | 5 | 3 | 2 | 2 | 6 | 6 | 7 | 7 | 5 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 7 | 7 | 7 | 7 | 8 | 8 | | | |
| | | 5 | 7 | 7 | 8 | 8 | 6 | 6 | 8 | 8 | 9 | 9 | 0 | 0 | 1 | 1 | 2 | 2 | 0 | 2 | 2 | 4 | 4 | | | |
| | | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |

| | |
|------------------------------|---|
| Fibroma | 1 |
| Sarcoma | 2 |
| Subcutaneous Tissue, Fibroma | 1 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Brain, Brain Stem | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | | | | | | | | | | | | X | | | | | | | | | | 1 |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | | | | | | | | | X | | | X | | | | | | | | | | 2 |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Astrocytoma Malignant | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | | | | | | | | | X | | | X | | | | | | | | | | 2 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Carcinoma, Metastatic, Thyroid Gland | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | X | | | X | | | | | X | | | X | X | X | X | | | | | | | 12 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

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

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|----|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| Ear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Eye | + | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | | | | | | | | | | | | | | | | | | | | | | | | 46 | | | | | | | | | | | | | | | | | | | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | | | | | | | | | | | | | | | | 48 | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| Zymbal's Gland | | | | | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| Carcinoma | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |

URINARY SYSTEM

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

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|----|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | | | | | | | | | | | | | | 48 |
| Histiocytic Sarcoma | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Leukemia Mononuclear | | X | X | | 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. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |
|--------------------------------------|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--|----------------------|
| FISCHER 344 RATS-NCTR RATS
FEMALE | | 0
5
2
4 | 0
7
3
7 | 0
7
3
7 | 0
7
3
7 | 0
7
2
0 | 0
7
3
7 | 0
5
3
6 | 0
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6 | 0
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3 | 0
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7 | 0
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7 | 0
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7 | 0
6
6
9 | 0
7
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7 | 0
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7 | 0
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9
2 | 0
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6
2 | | |
| ALOEWHOLLEAF 1.5 | | 0
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0
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1 | 0
0
0
4
2 | 0
0
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1 | 0
0
0
4
1 | 0
0
2
1
2 | 0
0
2
2
1 | 0
0
2
2
2 | 0
0
2
5
1 | 0
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4
5
2 | 0
0
4
7
1 | 0
0
4
7
2 | 0
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4
7
8 | 0
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5
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1 | 0
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| ANIMAL ID | | 0
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3
2 | 0
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1 | 0
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1 | 0
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2 | 0
0
7
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2 | 0
0
7
6
2 | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Ascending Colon | + | + | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | X | | | | X | | | | | | | | X | X | | | | | | | | | | | |
| Carcinoma | | | | | X | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | X | | | | | | | | |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | X | | | | | | | | | | | | X | | | | | | | | | | | |
| Adenoma, Multiple | X | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Colon | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Descending Colon | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | X | | | | | | | | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Transverse Colon | + | + | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma | | | | | X | | | | | | | | | | | | | | | | | | | | |
| Leiomyosarcoma | | | | | X | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. 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. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
FEMALE
ALOEWHOLLEAF 1.5 | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | females
(cont...) | | | |
|--|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|------|------|------|
| | | 0524 | 0737 | 0777 | 0777 | 0777 | 0777 | 0576 | 0466 | 0666 | 0777 | 0477 | 0576 | 0777 | 0677 | 0777 | 0777 | 0677 | 0777 | 0777 | 0777 | | 0677 | 0666 | |
| ANIMAL ID | | 0002 | 0002 | 0004 | 0002 | 0002 | 0002 | 0002 | 0002 | 0004 | 0004 | 0004 | 0005 | 0005 | 0005 | 0005 | 0006 | 0006 | 0007 | 0003 | 0003 | 0005 | 0006 | 0007 | |
| | | 0121 | 0221 | 0411 | 0211 | 0211 | 0211 | 0211 | 0211 | 0411 | 0411 | 0411 | 0571 | 0571 | 0571 | 0571 | 0682 | 0681 | 0682 | 0711 | 0332 | 0331 | 0551 | 0662 | 0771 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Liver | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | X | X | X | X | | | X | X | X | X |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Proximal Colon | | M | + | + | + | + | + | A | M | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | |
| Adenoma | | | | X | | X | | | | | | | | | | X | | | | | | X | | | |
| Carcinoma | | | | | | X | X | | | | | | | | | | | | | | | X | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Salivary Glands | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Stomach, Forestomach | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | X | | X | X |
| ENDOCRINE 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. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
FEMALE
ALOEWHOLLEAF 1.5 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|----------------------|
| | 0524 | 0737 | 0737 | 0737 | 0737 | 0737 | 0576 | 0467 | 0673 | 0737 | 0443 | 0577 | 0677 | 0737 | 0737 | 0737 | 0679 | 0737 | 0737 | 0737 | 0737 | 0677 | 0737 | 0672 | | |
| | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | |
| | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | |
| | 4112 | 4112 | 4112 | 4112 | 4112 | 4112 | 4112 | 4112 | 4112 | 4112 | 4112 | 4112 | 4112 | 4112 | 4112 | 4112 | 4112 | 4112 | 4112 | 4112 | 4112 | 4112 | 4112 | 4112 | 4112 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | X | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | X | | | | | | | X |
| Adrenal Medulla | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | X | | | | | | | X |
| Bilateral, Pheochromocytoma Malignant | X | | | | | | | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | | | | | X | | | | | | | | | | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | X | | | | | | |
| Pars Distalis, Adenoma | | X | X | | X | X | | | X | | | | | | | X | | X | | X | | | | | X |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| C-cell, Adenoma | | X | | | | | | | | | | | | | X | | | | | | | | | | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Carcinoma | | | | 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. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
FEMALE
ALOEWHOLLEAF 1.5 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------|
| | 0524 | 0737 | 0737 | 0737 | 0737 | 0737 | 0576 | 0466 | 0673 | 0737 | 0442 | 0573 | 0737 | 0677 | 0737 | 0737 | 0679 | 0737 | 0737 | 0737 | 0737 | 0672 | 0737 | 0662 | |
| ANIMAL ID | 00021 | 00022 | 00041 | 00042 | 00011 | 00012 | 00021 | 00022 | 00041 | 00042 | 00044 | 00045 | 00051 | 00052 | 00058 | 00059 | 00061 | 00062 | 00071 | 00072 | 00075 | 00076 | 00077 | 00081 | |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leiomyoma | | | | | | | | | | | | | | | | | | | | | | | X | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Polyp Stromal | X | | | | | X | | | | | | | | | X | | | | | | | | | | |
| Endometrium, Adenocarcinoma | | X | | | | | | | | | | | | | | | | | | | | | | | |
| Vagina | | | | | | | | | | | | | | | | | | | | | | | + | + | + |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | X | | |
| Lymph Node | + | | | | | | | | | | | | | + | | | | | | | | + | | | + |
| Axillary, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | X | | |
| Lumbar, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Mediastinal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | X | | |
| Pancreatic, Leukemia Mononuclear | | | | | | | | | | | | | | | X | | | | | | | X | | | X |
| Renal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | X | | | X |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | X | | | | | | | X | | X | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | X | X | X | X |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

* .. 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. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
FEMALE
ALOEWHOLLEAF 1.5 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|---|-----------|----------------------|
| | 0
5
2
4 | 0
7
3
7 | 0
7
3
7 | 0
7
3
7 | 0
7
2
0 | 0
7
3
7 | 0
5
3
6 | 0
4
7
6 | 0
6
7
3 | 0
7
3
7 | 0
4
4
2 | 0
5
4
3 | 0
7
3
7 | 0
6
2
7 | 0
7
3
7 | 0
7
3
7 | 0
6
6
9 | 0
7
3
7 | 0
7
1
0 | 0
7
2
3 | 0
7
3
7 | 0
7
3
7 | 0
6
6
2 | | | |
| Leukemia Mononuclear | | | | | X | | | | | | | | | X | | X | X | X | | | X | X | X | X | X | |
| Thymus | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Fibroadenoma | | | X | X | | | | | | | | | | X | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Head, Basal Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain, Brain Stem | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Meningioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | | | | | X | | | | | | | | | | | X | |

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) | | |
|--------------------------------------|------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|------|------|
| FISCHER 344 RATS-NCTR RATS
FEMALE | ALOEWHOLLEAF 1.5 | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 0524 | 0737 | 0777 | 0777 | 0777 | 0777 | 0575 | 0464 | 0667 | 0773 | 0773 | 0444 | 0573 | 0777 | 0677 | 0777 | 0677 | 0777 | 0777 | 0777 | 0777 | 0777 | 0677 | 0777 | | 0777 | 0677 |
| | | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 |

Meningioma Malignant

Peripheral Nerve

Spinal Cord

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | X | | | | | | | X | | | | | X | X | X |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SPECIAL SENSES SYSTEM

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

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. 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. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| DAY ON TEST | FISCHER 344 RATS-NCTR RATS FEMALE | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females (cont...) | | |
|------------------|-----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|-------------------|------|------|
| | 054 | 077 | 077 | 077 | 077 | 077 | 057 | 046 | 067 | 074 | 074 | 057 | 076 | 077 | 077 | 077 | 067 | 077 | 077 | 077 | 077 | 077 | 067 | 077 | | | 077 | 066 |
| ALOEWHOLLEAF 1.5 | 0021 | 0022 | 0041 | 0042 | 0011 | 0012 | 0021 | 0022 | 0041 | 0042 | 0051 | 0052 | 0071 | 0072 | 0081 | 0082 | 0091 | 0092 | 0061 | 0062 | 0073 | 0074 | 0055 | 0056 | 0077 | 0078 | 0069 | 0068 |

Leukemia Mononuclear

X X

SYSTEMIC LESIONS

Multiple Organ
 Leukemia Mononuclear

+
 X

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|---|---|---|
| FISCHER 344 RATS-NCTR RATS
FEMALE | | 7 | 7 | 7 | 4 | 6 | 4 | 6 | 7 | 6 | 4 | 7 | 7 | 7 | 7 | 7 | 4 | 6 | 3 | 2 | 7 | 5 | 6 | 7 | 7 | 7 | |
| | ALOEWHOLLEAF 1.5 | 3 | 3 | 3 | 8 | 9 | 8 | 5 | 2 | 5 | 5 | 3 | 3 | 3 | 1 | 3 | 5 | 9 | 1 | 9 | 3 | 8 | 8 | 3 | 0 | 0 | 0 |
| | ANIMAL ID | 7 | 7 | 7 | 4 | 5 | 2 | 0 | 6 | 6 | 4 | 7 | 7 | 7 | 8 | 7 | 9 | 9 | 9 | 7 | 3 | 7 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | 8 | 8 | 8 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 8 | 8 | 8 | 8 | 8 | |
| | | 7 | 8 | 8 | 1 | 1 | 1 | 1 | 4 | 4 | 9 | 9 | 0 | 0 | 7 | 8 | 8 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | |
| | | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | |
| | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Intestine Large, Ascending Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Adenoma | | | X | X | | | X | | | | | | | | | | | | | | | | | | | | 5 |
| Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Intestine Large, Colon | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Intestine Large, Descending Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | 47 |
| Intestine Large, Transverse Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leiomyosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | A | 44 |
| Intestine Small, Jejunum | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | A | 43 | |

* .. 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. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
FEMALE
ALOEWHOLLEAF 1.5 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | 0
7
3
7 | 0
7
3
7 | 0
7
3
7 | 0
4
8
4 | 0
6
9
5 | 0
4
8
2 | 0
6
5
0 | 0
7
2
6 | 0
6
5
6 | 0
4
5
4 | 0
7
3
7 | 0
7
3
7 | 0
7
3
7 | 0
7
3
8 | 0
4
5
7 | 0
6
9
9 | 0
3
1
9 | 0
2
9
9 | 0
7
3
7 | 0
5
8
3 | | 0
6
8
7 | 0
7
3
0 |
| ANIMAL ID | 0
0
8
7
2 | 0
0
8
8
1 | 0
0
8
8
1 | 0
1
1
1
2 | 0
1
1
1
2 | 0
1
2
2
1 | 0
1
2
2
1 | 0
1
2
2
4 | 0
1
2
2
1 | 0
1
1
4
2 | 0
1
1
9
2 | 0
1
1
9
0 | 0
1
1
9
0 | 0
1
1
7
2 | 0
1
1
7
1 | 0
1
1
5
2 | 0
1
1
5
8 | 0
1
1
5
9 | 0
1
1
5
1 | 0
1
1
6
2 | 0
1
1
6
8 | 0
1
1
8
1 | 0
1
1
8
2 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | X | | X | | | | | | | | X | | X | | X | X | | | X | | | | 16 |
| Mesentery | | + | | | | + | | | | | | | + | | | | | | | | | | 4 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Proximal Colon | + | + | + | M | + | + | + | + | M | + | + | + | + | + | M | + | M | M | + | + | + | + | 39 |
| Adenoma | | | | | | | | | | | | | | X | | | | | | | | | 5 |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | X | | 4 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | X | 1 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | | | | | | | | | | | | X | | X | X | | | X | | | | 7 |
| ENDOCRINE 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. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
FEMALE
ALOEWHOLLEAF 1.5 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| | 0737 | 0737 | 0737 | 0484 | 0665 | 0462 | 0670 | 0666 | 0474 | 0777 | 0777 | 0777 | 0777 | 0481 | 0633 | 0229 | 0739 | 0583 | 0687 | 0730 | |
| ANIMAL ID | 00872 | 00881 | 00882 | 00111 | 00112 | 00112 | 00112 | 00114 | 00112 | 00112 | 00113 | 00113 | 00115 | 00115 | 00115 | 00115 | 00119 | 00112 | 00111 | 00112 | |
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Adenoma | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | | | | | | | | | | | | | X | X | | | | | | 4 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Leukemia Mononuclear | | | | | | | | | | | | | X | | | X | | X | | | 5 |
| Bilateral, Pheochromocytoma Malignant | | | | | | | | | | | | | | | | | | | | | 1 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Adenoma | | | | | | | | | | | | | | | | | | | | | 1 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | 47 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | X | | | | 2 |
| Pars Distalis, Adenoma | X | | | | | | X | | X | X | X | | X | | | | | X | X | X | 18 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| C-cell, Adenoma | X | | | | | | | | | | | | | | | | | | | | 3 |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | | |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | | | | | |
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Adenoma | X | | X | | | | | | | | | | | | | | | | | | 3 |
| Carcinoma | | | | | | X | | | | | | | | | | | | | | | 2 |

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| DAY ON TEST | FISCHER 344 RATS-NCTR RATS FEMALE | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|-----------------------------------|-----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|
| | 0737 | 0737 | 0737 | 0484 | 0695 | 0482 | 0650 | 0726 | 0646 | 0777 | 0777 | 0777 | 0777 | 0777 | 0489 | 0639 | 0299 | 0737 | 0583 | 0687 | | 0730 |
| ALOEWHOLLEAF 1.5 | ANIMAL ID | | | | | | | | | | | | | | | | | | | | * TOTALS | |
| | 00872 | 00882 | 00882 | 01112 | 01112 | 01112 | 01112 | 01112 | 01112 | 01112 | 01112 | 01112 | 01112 | 01112 | 01112 | 01112 | 01112 | 01112 | 01112 | 01112 | | 01112 |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | X | X | | | | | 3 |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leiomyoma | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | X | | | | 2 |
| Polyp Stromal | X | X | X | | X | | | X | | | | | | | | | | | | | | 8 |
| Endometrium, Adenocarcinoma | | | | | | | | | | | | | | | | | | | | | | 1 |
| Vagina | | | | | | | | | | + | | | | | | | | | | | | 4 |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | X | | | | | | 2 |
| Lymph Node | | | | | | | | | | + | | | | | | + | + | | | + | | 9 |
| Axillary, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | 1 |
| Lumbar, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | X | 2 |
| Mediastinal, Leukemia Mononuclear | | | | | | | | | | | | | | | X | | | | | | X | 3 |
| Pancreatic, Leukemia Mononuclear | | | | | | | | | | | | | | | | X | | | | | X | 5 |
| Renal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | X | 3 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | 47 |
| Leukemia Mononuclear | | | | | | | | | | | | | X | | X | | | | | X | | 6 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | 47 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | X | X | X | X | | | | 9 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
FEMALE
ALOEWHOLLEAF 1.5 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----|
| | 0737 | 0737 | 0737 | 0484 | 0665 | 0482 | 0660 | 0766 | 0644 | 0777 | 0777 | 0777 | 0777 | 0431 | 0669 | 0329 | 0273 | 0588 | 0688 | 0730 | | |
| ANIMAL ID | 00872 | 00881 | 00882 | 00111 | 00112 | 00111 | 00112 | 00114 | 00112 | 00111 | 00113 | 00113 | 00115 | 00115 | 00115 | 00115 | 00115 | 00116 | 00116 | 00118 | 00119 | |
| Leukemia Mononuclear | X | X | | | | | | | | X | X | X | X | X | | X | | | | | 18 | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | A | 44 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | 1 |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | |
| Fibroadenoma | X | | | | | | X | | | | | | X | | | | X | X | | | 8 | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | 1 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Head, Basal Cell Carcinoma | | | | | | | | | | | | | | X | | | | | | | | 1 |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | |
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Skeletal Muscle | | | | | | | | | | | | | | | + | | | + | | | 2 | |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | |
| Brain, Brain Stem | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | 1 |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | X | 2 | |
| Meningioma Malignant | | | | | | | | | | | | X | | | | | | | | | | 1 |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | X | | | | | | 3 |

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
FEMALE
ALOEWHOLLEAF 1.5 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----|
| | 0737 | 0737 | 0737 | 0484 | 0665 | 0462 | 0670 | 0666 | 0464 | 0777 | 0777 | 0777 | 0777 | 0468 | 0639 | 0329 | 0279 | 0583 | 0687 | 0730 | | |
| ANIMAL ID | 00872 | 00881 | 00882 | 00111 | 00112 | 00112 | 00112 | 00114 | 00112 | 00113 | 00113 | 00115 | 00115 | 00115 | 00115 | 00115 | 00116 | 00116 | 00118 | 00118 | | |
| Meningioma Malignant | | | | | | | | | | X | | | | | | | | | | | 1 | |
| Peripheral Nerve | | | | | | | | | | | | | | | | | | | | + | 1 | |
| Spinal Cord | | | | | | | | | | | | | | | | | | | | + | 1 | |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Leukemia Mononuclear | X | | | | | | | | | | | | X | | X | X | | | X | | 11 | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | A | 46 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Zymbal's Gland | | | | | | | | | | | | | | | | | | | | | 1 | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | 1 | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | X | | | | | 2 | |
| Sarcoma | | | | | | | | | | | | | | | | | | | | X | 1 | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |

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

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

TDMS No. 20116 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:01
 First Dose M/F: 04/17/05 / 04/17/05
 Lab: NCTR

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----------|----|-----------------|
| | DAY ON TEST | 07 | 07 | 07 | 04 | 06 | 04 | 06 | 07 | 06 | 04 | 07 | 07 | 07 | 07 | 04 | 06 | 03 | 02 | 07 | 05 | 06 | 07 | |
| FISCHER 344 RATS-NCTR RATS FEMALE | | 37 | 37 | 37 | 84 | 95 | 82 | 50 | 26 | 56 | 54 | 37 | 37 | 37 | 18 | 37 | 59 | 19 | 99 | 37 | 83 | 87 | 30 | |
| ALOEWHOLLEAF 1.5 | ANIMAL ID | 00 | 00 | 00 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | |
| | | 88 | 88 | 88 | 11 | 11 | 22 | 22 | 22 | 22 | 22 | 33 | 33 | 55 | 55 | 55 | 55 | 55 | 66 | 66 | 88 | 88 | 88 | |
| | | 21 | 22 | 21 | 12 | 11 | 21 | 21 | 41 | 21 | 12 | 12 | 12 | 72 | 81 | 22 | 11 | 22 | 11 | 22 | 11 | 99 | 22 | |
| | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | | | | | | | | | |
| Multiple Organ | | | | | | | | | | | | | | | | | | | | | | 48 | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | 18 | | |

*** END OF REPORT ***

* .. 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