

TDMS No. 20116 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:08

First Dose M/F: 04/19/05 / 04/19/05

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...)	
C57BL/6N XC3H/HEN MTV-NCTR MICE MALE		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
		7	6	5	4	7	7	7	7	4	7	7	3	7	7	7	7	4	5	7	7		6
CONTROL WATER		3	9	8	2	3	3	3	3	5	3	3	4	3	3	3	3	9	7	3	8	4	3
		6	6	2	8	6	6	6	6	7	6	6	5	6	6	6	6	9	5	6	2	7	6
	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	0	0	2	2	2	2	2	2	2	3	3	3	3	3	3	3
		6	6	6	6	7	7	7	7	2	2	2	2	4	4	4	7	7	7	8	8	8	9
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Ascending Colon Goblet Cell, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
																							1
Intestine Large, Cecum Hyperplasia, Lymphoid	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Descending Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Transverse Colon Goblet Cell, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
																							1
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum Hyperplasia, Lymphoid	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
																							2
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basophilic Focus	X										X		X							X			
Congestion																							1
Cyst																							

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1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

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C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	DAY ON TEST	0736	0696	0582	0428	0776	0776	0776	0476	0776	0776	0334	0776	0776	0776	0776	0457	0776	0776	0667	0667	0754	0578	males (cont...)
	CONTROL WATER	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	
	ANIMAL ID	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	

Deformity
 Degeneration, Cystic
 Eosinophilic Focus
 Fatty Change
 Infiltration Cellular, Lymphocyte
 Inflammation, Chronic Active
 Mixed Cell Focus
 Vacuolization Cytoplasmic

Pancreas
 Infiltration Cellular, Lymphocyte
 Vacuolization Cytoplasmic
 Acinus, Degeneration

Salivary Glands
 Infiltration Cellular, Lymphocyte

Stomach, Forestomach
 Epithelium, Hyperplasia

Stomach, Glandular
 Epithelium, Hyperplasia

CARDIOVASCULAR SYSTEM

Blood Vessel

Heart
 Cardiomyopathy
 Inflammation, Chronic Active

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C57BL/6N XC3H/HEN MTV-NCTR MICE MALE CONTROL WATER	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	males (cont...)
	7	6	5	4	7	7	7	7	4	7	7	3	7	7	7	4	5	7	7	6	6	6	7	5		
	3	9	8	2	3	3	3	3	5	3	3	4	3	3	3	3	9	7	3	3	8	4	3	4		
	6	6	2	8	6	6	6	6	7	6	6	5	6	6	6	6	9	5	6	6	2	7	6	8		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3		
	6	6	6	6	7	7	7	7	2	2	2	2	4	4	4	7	7	7	7	8	8	8	8	9		
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Accessory Adrenal Cortical Nodule				X																X				
Mineralization																								
Subcapsular, Hyperplasia	1	2	1	1	1	1	2	2	1	2	1	2	1	1	2	2	1	1	2	1	2	1	1	1
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia															2									
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia			2				2				2						1							
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	M	+	+	M	+	+	+	+	+	+	+	+	+	+
Cyst									2															
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Intermedia, Hyperplasia																					2			
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ectopic Thymus																								
Infiltration Cellular, Lymphocyte					1																			
Follicle, Degeneration									2				2								1			

GENERAL BODY SYSTEM

Tissue NOS

GENITAL SYSTEM

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DAY ON TEST	C57BL/6N XC3H/HEN MTV-NCTR MICE MALE																									ANIMAL ID	males (cont...)
	0 7 3 6	0 6 9 6	0 5 8 2	0 4 2 8	0 7 3 6	0 7 3 6	0 7 3 6	0 4 5 7	0 7 3 6	0 7 3 6	0 7 3 6	0 4 3 5	0 7 3 6	0 7 3 6	0 7 3 6	0 4 3 9	0 5 7 5	0 7 3 6	0 6 8 2	0 6 4 7	0 7 3 6	0 5 4 8					
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 6 1	1 2 3 4 1 2 3 4	

Coagulating Gland Lumen, Dilatation																										
Epididymis Degeneration Hypospermia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Preputial Gland Cyst Degeneration Infiltration Cellular, Lymphocyte Inflammation, Suppurative Inflammation, Chronic Active Duct, Ectasia Fat, Necrosis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	3 2 4 4 4 4 3 3 1 2 4 3
Prostate Infiltration Cellular, Lymphocyte	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1 1
Seminal Vesicle Inflammation, Chronic Active Lumen, Dilatation	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2 4 1
Testes Seminiferous Tubule, Degeneration	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	3 1 2 1

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
-------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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	0 7 3 6	0 6 9 6	0 5 8 2	0 4 2 8	0 7 3 6	0 7 3 6	0 7 3 6	0 7 3 6	0 4 5 7	0 7 3 6	0 7 3 6	0 3 4 5	0 7 3 6	0 7 3 6	0 7 3 6	0 4 9 5	0 5 7 6	0 7 3 6	0 6 8 2	0 6 4 7			0 7 3 6
Hyperplasia	3	2										3								2			3
Lymph Node	+								+											+			+
Axillary, Hyperplasia, Lymphoid																							3
Inguinal, Hyperplasia, Lymphoid	2																						
Mediastinal, Hyperplasia, Lymphoid											2												3
Mediastinal, Infiltration Cellular, Plasma Cell																							3
Renal, Hyperplasia, Lymphoid																							3
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Lymphoid				2																			2
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis																							2
Hematopoietic Cell Proliferation												2											
Hemorrhage											3	2	2										2
Hyperplasia, Lymphoid		2			3	1	3		3	2					2					2	2		1
Sinus, Dilatation								3	2							3							3
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis																							2
Hematopoietic Cell Proliferation	2	4		4					3	3		4	4							4		4	3
Hyperplasia, Lymphoid	2						2	2	4	2	2				1	2				2		2	2
Thymus	M	M	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	M	+	+	M	+
Atrophy																							
Hyperplasia, Lymphoid				3									4	3						4	2		3

INTEGUMENTARY SYSTEM

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	0 7 3 6	0 6 9 6	0 5 8 2	0 4 3 8	0 7 3 6	0 7 3 6	0 7 3 6	0 4 5 7	0 7 3 6	0 7 3 6	0 4 3 5	0 7 3 6	0 7 3 4	0 7 3 6	0 7 3 6	0 4 3 6	0 7 3 6	0 4 3 6	0 5 7 9	0 7 3 6	0 6 8 2	0 6 4 7	0 7 3 6	0 5 4 8		
Mammary Gland	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M		
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Inflammation, Suppurative																										
Inflammation, Chronic Active																										
Mineralization																										
Ulcer																										
Epithelium, Hyperplasia																										
MUSCULOSKELETAL SYSTEM																										
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Skeletal Muscle																										
NERVOUS SYSTEM																										
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Mineralization	2	2	1		1		1	2					1		1	1	1		1	1	1		2	1	1	
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Infiltration Cellular, Histiocyte					1	3												4			1					
Inflammation, Chronic Active														1												

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	ANIMAL ID	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
		6661	6663	6664	6667	6661	6662	6663	6664	6667	6661	6662	6663	6664	6667	6661	6662	6663	6664	6667	6661	6662	6663	6664	6667	6661	6662	6663	6664

males (cont...)

Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyaline Droplet						1		1								2	1	1											
Posterior To Upper Incisor, Dysplasia																													
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Infiltration Cellular, Lymphocyte																													

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Infiltration Cellular, Lymphocyte						1		2															1	2					
Metaplasia, Osseous																													
Nephropathy	1		1		1					1	3		1	1	1	1	1		1	2					1				
Urethra																													
Bulbourethral Gland, Dilatation																													
Bulbourethral Gland, Infiltration Cellular, Lymphocyte																													
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Infiltration Cellular, Lymphocyte										1																	1		
Lumen, Dilatation							4																				3		

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	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	
ANIMAL ID	00392	00393	00394	00395	00397	00398	00399	00400	00401	00402	00403	00404	00405	00406	00408	00409	00410	00411	00412	00413	
	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48	
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	46	
Intestine Large, Ascending Colon Goblet Cell, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	47	2 1.0
Intestine Large, Cecum Hyperplasia, Lymphoid	+	+	2	+	+	+	+	+	+	+	+	+	+	+	A	+	+	2	+	+	+	+	47	2 2.0
Intestine Large, Descending Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	47	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	47	
Intestine Large, Transverse Colon Goblet Cell, Hyperplasia	+	+	+	+	+	+	+	+	1	+	+	+	+	+	A	+	+	+	+	+	+	+	47	4 1.0
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	47	
Intestine Small, Ileum Hyperplasia, Lymphoid	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	47	1 2.0
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	47	
Liver Basophilic Focus Congestion Cyst	+	+	+	+	X	+	+	+	X	+	+	+	+	+	A	+	+	X	X	+	+	+	47	8 1 1.0 1 2.0

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 I .. Insufficient tissue
 M .. Missing tissue
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 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE CONTROL WATER	DAY ON TEST																				* TOTALS	
	0736	0736	0736	0731	0738	0737	0737	0737	0737	0737	0737	0737	0737	0737	0737	0737	0737	0737	0737	0737		0737
ANIMAL ID	00392	00339	00339	00355	00355	00355	00355	00355	00355	00355	00355	00355	00355	00355	00355	00355	00355	00355	00355	00355	00355	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Deformity						X																1	
Degeneration, Cystic																				2			1 2.0
Eosinophilic Focus				X																			1
Fatty Change																							1 3.0
Infiltration Cellular, Lymphocyte																							1 1.0
Inflammation, Chronic Active																							1 2.0
Mixed Cell Focus									X														3
Vacuolization Cytoplasmic												1									1		3 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	47
Infiltration Cellular, Lymphocyte																				1			2 2.0
Vacuolization Cytoplasmic												1											1 1.0
Acinus, Degeneration																							3 1.3
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Infiltration Cellular, Lymphocyte	1	1	2	1	2	1	1		1			1	2	1	2		1	2	1	1	2	2	39 1.3
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	47
Epithelium, Hyperplasia				2																			1 2.0
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	47
Epithelium, Hyperplasia																							1 1.0

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Cardiomyopathy									1														2 1.0
Inflammation, Chronic Active																							1 2.0

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TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE CONTROL WATER	DAY ON TEST																				* TOTALS
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	7	7	7	7	7	3	7	7	7	4	3	6	7	7	7	7	7	7	7	7	7
	3	3	3	1	3	8	1	3	3	0	7	4	3	3	3	2	3	3	3	3	3
	6	6	6	1	6	7	1	6	6	2	2	8	6	6	6	5	6	6	6	6	6
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	3	3	5	5	5	5	5	5	5	6	6	6	6	8	8	8	8	8	8	8
	9	9	9	7	7	7	7	8	8	8	0	0	0	0	3	3	3	3	4	4	4
	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Accessory Adrenal Cortical Nodule												X										3
Mineralization										2												1 2.0
Subcapsular, Hyperplasia	2	2		3	2		2	1	1		1	2	2	2		1	3	2	1	1	1	43 1.5
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	47
Hyperplasia	2	1																		2		4 1.8
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	47
Hyperplasia		1			2		2						3				2					9 1.9
Parathyroid Gland	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	44
Cyst																						1 2.0
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Pars Intermedia, Hyperplasia																						1 2.0
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	47
Ectopic Thymus						X																1
Infiltration Cellular, Lymphocyte																						1 1.0
Follicle, Degeneration								2									2	2				6 1.8

GENERAL BODY SYSTEM

Tissue NOS								+														1
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GENITAL SYSTEM

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TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 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
	7	7	7	7	7	3	7	7	7	4	3	6	7	7	7	7	7	7	7	7	7	7	7
C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	3	3	3	1	3	8	1	3	3	0	7	4	3	3	3	2	3	3	3	3	3	3	3
	6	6	6	1	6	7	1	6	6	2	2	8	6	6	6	5	6	6	6	6	6	6	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
ANIMAL ID	3	3	3	5	5	5	5	5	5	5	6	6	6	6	8	8	8	8	8	8	8	8	8
	9	9	9	7	7	7	7	8	8	8	0	0	0	0	3	3	3	3	4	4	4	4	4
	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
																							* TOTALS

Coagulating Gland																								+	1
Lumen, Dilatation																								4	1 4.0
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Degeneration																									48
Hypospermia																									1 2.0
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+		
Cyst																									47
Degeneration	4		3	4		2		2				4						2	2	2	4				
Infiltration Cellular, Lymphocyte																									4 2.5
Inflammation, Suppurative																									15 3.2
Inflammation, Chronic Active																									3 1.7
Duct, Ectasia																									2 3.0
Fat, Necrosis																									1 2.0
																									3 3.7
																									1 4.0
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Infiltration Cellular, Lymphocyte																									47
																									7 1.0
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Inflammation, Chronic Active																									48
Lumen, Dilatation																									1 2.0
																									5 3.2
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+			
Seminiferous Tubule, Degeneration																									47
																									4 1.8

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+
																							47

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TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE CONTROL WATER	DAY ON TEST																				* TOTALS
	0736	0736	0736	0731	0738	0737	0737	0737	0737	0737	0737	0737	0737	0737	0737	0737	0737	0737	0737	0737	
ANIMAL ID	00392	00339	00334	00355	00355	00355	00355	00355	00355	00355	00355	00356	00366	00366	00366	00368	00388	00388	00388	00388	
Hyperplasia	2		4						3												8 2.8
Lymph Node		+	+			+	+		+				+			+					11
Axillary, Hyperplasia, Lymphoid		2				2															3 2.3
Inguinal, Hyperplasia, Lymphoid		2																			2 2.0
Mediastinal, Hyperplasia, Lymphoid																					2 2.5
Mediastinal, Infiltration Cellular, Plasma Cell																					1 3.0
Renal, Hyperplasia, Lymphoid												3									1 3.0
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	47
Hyperplasia, Lymphoid			1			2		1		2					1	1				1	9 1.4
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Angiectasis	2		4										2							2	5 2.4
Hematopoietic Cell Proliferation																					1 2.0
Hemorrhage							2							2		1			3	2	10 2.2
Hyperplasia, Lymphoid	3	2			2	1	2	2		2	2		3		2	2		2	2	3	28 2.1
Sinus, Dilatation												2						3			6 2.7
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Angiectasis																					1 2.0
Hematopoietic Cell Proliferation	4			4		4	4			3	3	4						3			20 3.6
Hyperplasia, Lymphoid					2			3		2	2		2	2	2		3	2	2		24 2.2
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	41
Atrophy	4		2	4	3		4	4					2	2		4		2	4		22 3.2
Hyperplasia, Lymphoid						2				2											2 2.0

INTEGUMENTARY SYSTEM

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 BLANK .. Not examined microscopically

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 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS 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: 04/19/05 / 04/19/05
 Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE CONTROL WATER	DAY ON TEST																				* TOTALS		
	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736	0736		0736	
ANIMAL ID	0032	0033	0034	0035	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	0051	0052	0053		
Mammary Gland	M	M	M	M	M	M	M	M	M	M	M	M	M	+	M	M	M	M	M	M	M	1	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48	
Inflammation, Suppurative																						1 3.0	
Inflammation, Chronic Active																						1 1.0	
Mineralization																						1 4.0	
Ulcer																						1 4.0	
Epithelium, Hyperplasia																						1 2.0	
MUSCULOSKELETAL SYSTEM																							
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48	
Skeletal Muscle																						1	
NERVOUS SYSTEM																							
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	47	
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	47	
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	47	
Mineralization	1	1		1	1	1					1			2	1		2	2	1		2	1	29 1.3
RESPIRATORY SYSTEM																							
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48	
Infiltration Cellular, Histiocyte																					4	5 2.6	
Inflammation, Chronic Active																						1 1.0	

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TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:08

First Dose M/F: 04/19/05 / 04/19/05

Lab: NCTR

DAY ON TEST	C57BL/6N XC3H/HEN MTV-NCTR MICE MALE																				* TOTALS	
	0736	0736	0736	0731	0733	0738	0731	0736	0736	0732	0732	0738	0736	0736	0737	0737	0737	0737	0737	0737		0737
ANIMAL ID	CONTROL WATER																				* TOTALS	
00392	00339	00334	00351	00355	00355	00355	00355	00355	00355	00355	00366	00366	00366	00368	00368	00368	00368	00368	00368	00368		00368
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Hyaline Droplet	1																					6 1.2
Posterior To Upper Incisor, Dysplasia				4																		1 4.0
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
SPECIAL SENSES SYSTEM																						
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	47
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Infiltration Cellular, Lymphocyte												1										1 1.0
URINARY SYSTEM																						
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Infiltration Cellular, Lymphocyte				2	1		1		1	1									2			10 1.4
Metaplasia, Osseous														2							1	2 1.5
Nephropathy		1	1					1				2	1	1		1	2	1	2		2	26 1.3
Urethra											+											1
Bulbourethral Gland, Dilatation											4											1 4.0
Bulbourethral Gland, Infiltration Cellular, Lymphocyte											2											1 2.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Infiltration Cellular, Lymphocyte														1								3 1.0
Lumen, Dilatation			3																			3 3.3

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TDMS No. 20116 - 04
 Test Type: CHRONIC
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 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

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

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE ALOEWHOLLEAF 1.0	DAY ON TEST																				ANIMAL ID	males (cont...)
	0689	0736	0776	0776	0776	0666	0666	0776	0556	0776	0446	0776	0776	0002	0776	0776	0776	0776	0776	0666		
	0026	0026	0026	0026	0026	0026	0026	0026	0026	0026	0026	0026	0026	0026	0026	0026	0026	0026	0026	0026	0026	0026

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Ascending Colon Goblet Cell, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
				2		1			1	1	2		1			1			1		1		
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Descending Colon Goblet Cell, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
				2					1	1	1				1			1					
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Transverse Colon Goblet Cell, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
				2					1	1	2		1			1			1				
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basophilic Focus				X																			
Infiltration Cellular, Lymphocyte Inflammation, Chronic Active Necrosis																							

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TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE ALOEWOLLEAF 1.0	DAY ON TEST	0689	0736	0776	0776	0776	0666	0666	0777	0555	0777	0444	0777	0777	0000	0777	0777	0777	0777	0777	0666	0444	0777	0666	0666
	ANIMAL ID	00261	00262	00263	00264	00265	00266	00267	00268	00269	00270	00271	00272	00273	00274	00275	00276	00277	00278	00279	00280	00281	00282	00283	00284

males
(cont...)

Tension Lipidosis					2							1	2		1											
Thrombus				4																						
Vacuolization Cytoplasmic															1											
Mesentery																										
Fat, Necrosis																		+								
Pancreas																										
Infiltration Cellular, Lymphocyte																										
Vacuolization Cytoplasmic																										
Acinus, Degeneration																										
Salivary Glands																										
Infiltration Cellular, Lymphocyte																										
Stomach, Forestomach																										
Stomach, Glandular																										
Epithelium, Hyperplasia															1											

CARDIOVASCULAR SYSTEM

Blood Vessel																										
Heart																										

ENDOCRINE SYSTEM

Adrenal Cortex																										
Hypertrophy																										

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
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 Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE ALOEWHOLLEAF 1.0	DAY ON TEST																								males (cont...)	
	0689	0736	0773	0773	0773	0660	0661	0753	0533	0733	0546	0746	0773	0073	0773	0773	0773	0773	0773	0666	0647	0490	0705			
ANIMAL ID	00261	00222	00222	00244	00244	00244	00244	00244	00244	00244	00244	00244	00244	00244	00244	00244	00244	00244	00244	00244	00244	00244	00244			
Subcapsular, Hyperplasia	1	1	2	2	1	2		2	1		1	3			1	2	3	2		2	1	1	1	2	1	
Adrenal Medulla Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Islets, Pancreatic Hyperplasia		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	
Pituitary Gland Pars Distalis, Cyst	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Thyroid Gland Cyst	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infiltration Cellular, Lymphocyte Follicle, Degeneration				1		2													1					1		
Follicular Cell, Hyperplasia											2															
GENERAL BODY SYSTEM																										
Tissue NOS																										
GENITAL SYSTEM																										
Coagulating Gland																										
Epididymis Hypospermia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Infiltration Cellular, Lymphocyte				2																						

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M .. Missing tissue
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TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
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 Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE ALOEWHOLLEAF 1.0	DAY ON TEST																				ANIMAL ID	males (cont...)		
	0689	0736	0776	0776	0776	0660	0661	0753	0754	0534	0746	0776	0776	0002	0776	0776	0776	0776	0776	0776			0667	0490
	0026	0022	0022	0022	0044	0044	0044	0044	0044	0044	0044	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066

Fibrosis
 Inflammation, Suppurative
 Inflammation, Chronic Active 1 1
 Mineralization
 Epithelium, Hyperplasia 2 2

MUSCULOSKELETAL SYSTEM

Bone, Femur +
 Skeletal Muscle +

NERVOUS SYSTEM

Brain, Brain Stem +
 Brain, Cerebellum +
 Brain, Cerebrum +
 Mineralization 2 1 2 1 1 1 1 2 1 1 1

RESPIRATORY SYSTEM

Lung +
 Congestion
 Thrombus 1
 Alveolar Epithelium, Hyperplasia 4 3 2
 Nose +
 Hyaline Droplet 1 2 2 2 2 2 2 1 1 1 1 1 1 1 2

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TDMS No. 20116 - 04
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 Species/Strain: MICE/B6C3F1/NCTR

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C57BL/6N XC3H/HEN MTV-NCTR MICE MALE ALOEWHOLLEAF 1.0	DAY ON TEST																								males (cont...)
	0689	0736	0776	0776	0776	0660	0661	0776	0533	0534	0776	0439	0776	0776	0002	0776	0776	0776	0776	0776	0666	0667	0490	0776	
ANIMAL ID	0026	0022	0022	0022	0044	0044	0044	0044	0044	0044	0044	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0055	0055	0044

Trachea +

SPECIAL SENSES SYSTEM

Eye +
 Cornea, Hyperplasia 2
 Cornea, Inflammation, Chronic Active 1

Harderian Gland +
 Infiltration Cellular, Lymphocyte 2
 Acinus, Degeneration 3

URINARY SYSTEM

Kidney +
 Cyst
 Infiltration Cellular, Lymphocyte 1 2 2 1 1 1 1 1 1 1
 Nephropathy 2
 Pelvis, Dilatation 2

Urinary Bladder +
 Infiltration Cellular, Lymphocyte 1
 Lumen, Dilatation

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TDMS No. 20116 - 04
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 Species/Strain: MICE/B6C3F1/NCTR

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 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE ALOEWHOLLEAF 1.0	DAY ON TEST																				* TOTALS	
	0736	0682	0743	0743	0743	0743	0743	0541	0695	0704	0706	0706	0706	0706	0706	0706	0706	0706	0706	0706		0706
ANIMAL ID	006663	006674	006671	006672	006673	006674	006671	006672	006673	006674	006671	006672	006673	006674	006671	006672	006673	006674	006671	006672	006673	006674
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46			
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	A	A	+	+	+	+	+	43			
Intestine Large, Ascending Colon Goblet Cell, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	A	A	+	+	+	+	44	16	1.3	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	A	A	+	+	+	+	44			
Intestine Large, Descending Colon Goblet Cell, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	A	A	+	+	+	+	44	7	1.3
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	A	A	+	+	+	+	44			
Intestine Large, Transverse Colon Goblet Cell, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	A	A	+	+	+	+	44	14	1.4
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	A	A	+	+	+	+	44		
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	A	A	+	+	+	+	44		
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	A	A	+	+	+	+	44		
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46			
Basophilic Focus				X	X																X	X	6			
Infiltration Cellular, Lymphocyte																								1	1.0	
Inflammation, Chronic Active																					1			1	1.0	
Necrosis																								4	1	4.0

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 Species/Strain: MICE/B6C3F1/NCTR

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 Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE ALOEWHOLLEAF 1.0	DAY ON TEST																				* TOTALS			
	0736	0822	0743	0743	0773	0773	0773	0561	0665	0774	0776	0666	0776	0776	0666	0776	0776	0733	0733	0733				
ANIMAL ID	006663	006674	006671	006672	006673	006674	006681	006682	006683	006684	006681	006682	006683	006684	006691	006692	006693	006694	006691	006692				
Tension Lipidosis			2		1															1	7 1.4			
Thrombus																					1	1 4.0		
Vacuolization Cytoplasmic	1																				2	2 1.0		
Mesentery																						4		
Fat, Necrosis															+	+		+			4 4 3	4 3.8		
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	46	
Infiltration Cellular, Lymphocyte			1																				3 1.0	
Vacuolization Cytoplasmic																							2 1.0	
Acinus, Degeneration																							2 2.0	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	A	+	+	+	+	45	
Infiltration Cellular, Lymphocyte	1		2	1	1			2	1		2		2	1	2				2	1	1	1	31 1.4	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	+	45
Stomach, Glandular Epithelium, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	A	A	+	+	+	+	44 2 1.5
CARDIOVASCULAR SYSTEM																								
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47	
ENDOCRINE SYSTEM																								
Adrenal Cortex Hypertrophy	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	A	A	+	+	+	+	44 1 2.0

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TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

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 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE ALOEWHOLLEAF 1.0	DAY ON TEST																				* TOTALS					
	0736	082	074	074	073	073	070	054	069	070	073	066	077	076	073	067	077	073	073	073		076				
ANIMAL ID	006663	006674	006671	006672	006673	006674	006688	006688	006688	006689	006699	006699	006699	006699	006699	006699	006699	006699	006699	006699						
Subcapsular, Hyperplasia	1	1		1	1	2		1	1	1	2	1			1			1	1	2	34	1.4				
Adrenal Medulla Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	A	A	+	+	+	+	44	2	2.5		
Islets, Pancreatic Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	46	3	1.7	
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46				
Pituitary Gland Pars Distalis, Cyst	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	A	+	+	+	+	45	1	1.0	
Thyroid Gland Cyst	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	46	1	2.0	
Infiltration Cellular, Lymphocyte Follicle, Degeneration			1			1						1											3	6	1.0	1.3
Follicular Cell, Hyperplasia											2												1		2.0	
GENERAL BODY SYSTEM																										
Tissue NOS																							1			
GENITAL SYSTEM																										
Coagulating Gland																							1			
Epididymis Hypospermia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	A	A	+	+	+	+	44	2	2.0		
Infiltration Cellular, Lymphocyte											2				2					2			2		2.0	

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TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

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C57BL/6N XC3H/HEN MTV-NCTR MICE MALE ALOEWHOLLEAF 1.0	DAY ON TEST																				* TOTALS			
	0736	0822	0743	0743	0773	0773	0773	0564	0665	0774	0776	0666	0776	0776	0666	0776	0776	0776	0776	0776		0776		
ANIMAL ID	006663	006674	006671	006672	006673	006674	006678	006682	006683	006684	006688	006689	006690	006691	006692	006693	006694	006699	006699	006699	006699			
Spermatocele																						2	1 2.0	
Penis																							1	1 3.0
Inflammation, Chronic Active																								1 3.0
Necrosis																								1 2.0
Ulcer																								
Preputial Gland																								44
Cyst																								6 2.8
Degeneration																								11 2.6
Infiltration Cellular, Lymphocyte																								4 1.8
Inflammation, Suppurative																								6 2.3
Inflammation, Chronic Active																								4 2.3
Duct, Ectasia																								6 2.8
Prostate																								44
Infiltration Cellular, Lymphocyte																								7 1.0
Seminal Vesicle																								44
Infiltration Cellular, Lymphocyte																								1 1.0
Lumen, Dilatation																								4 2.3
Testes																								44
Interstitial Cell, Hyperplasia																								1 2.0
Seminiferous Tubule, Degeneration																								4 3.3
HEMATOPOIETIC SYSTEM																								
Bone Marrow																								45
Hyperplasia																								9 2.7

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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

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Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE ALOEWHOLLEAF 1.0	DAY ON TEST																				* TOTALS	
	0736	0842	0743	0743	0773	0773	0570	0664	0774	0776	0666	0776	0776	0776	0666	0776	0776	0733	0733	0733		0776
ANIMAL ID	00663	00664	00667	00668	00669	00670	00671	00672	00673	00674	00675	00676	00677	00678	00679	00680	00681	00682	00683	00684	00685	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5

Lymph Node + M 5
 Inguinal, Infiltration Cellular, Plasma Cell 1 2.0
 Lumbar, Hyperplasia, Lymphoid 1 1.0

Lymph Node, Mandibular + + + + + + + + + + M + + + + A A + + + + 44
 Hyperplasia, Lymphoid 2 5 2.0
 Infiltration Cellular, Plasma Cell 1 2.0
 Pigmentation 1 2.0

Lymph Node, Mesenteric + + + + + + + + + + + + + + + A A + + + + 45
 Angiectasis 2 1 2.0
 Hemorrhage 2 13 2.2
 Hyperplasia, Lymphoid 2 17 2.0
 Infiltration Cellular, Polymorphonuclear 1 3.0
 Thrombus 1 2.0
 Sinus, Dilatation 2 2 3.0

Spleen + + + + + + + + + + + + + + + A A + + + + 45
 Hematopoietic Cell Proliferation 4 4 3 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 15 3.7
 Hyperplasia, Lymphoid 21 2.1

Thymus + M + + + + + + + + + + + + + M A A + + + + 39
 Atrophy 2 19 2.9
 Hyperplasia, Lymphoid 1 1.0

INTEGUMENTARY SYSTEM

Mammary Gland M 0
 Skin + 47

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 + .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as:
 X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate
 I .. Insufficient tissue BLANK .. Not examined microscopically 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

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C57BL/6N XC3H/HEN MTV-NCTR MICE MALE ALOEWHOLLEAF 1.0	DAY ON TEST																				* TOTALS
	0736	0842	0743	0743	0773	0773	0773	0564	0665	0774	0776	0666	0776	0776	0666	0776	0776	0336	0776	0776	
ANIMAL ID	006663	006674	006671	006672	006673	006674	006678	006682	006683	006684	006689	006692	006693	006694	006691	006692	006693	006694	006691	006692	

Fibrosis	3																				1 3.0
Inflammation, Suppurative	1			1																	2 1.0
Inflammation, Chronic Active		1																			3 1.0
Mineralization					2																1 2.0
Epithelium, Hyperplasia	2	2		2													1				6 1.8

MUSCULOSKELETAL SYSTEM

Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Skeletal Muscle																						1

NERVOUS SYSTEM

Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	46
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	46
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	46
Mineralization	1		1	1	1		1		1	1	1	1		1				1		1	1	24 1.1

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Congestion				4																		1 4.0
Thrombus																						1 1.0
Alveolar Epithelium, Hyperplasia						2							2									5 2.6
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Hyaline Droplet	2	3	3	3	3	2	1	2	1	1	2		2	2	2	2	2	2	2	1	1	31 1.8

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:08

First Dose M/F: 04/19/05 / 04/19/05

Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE ALOEWHOLLEAF 1.0	DAY ON TEST																				* TOTALS		
	0736	0842	0743	0743	0743	0743	0743	0541	0665	0774	0774	0666	0776	0776	0776	0666	0776	0776	0733	0733		0733	0733
ANIMAL ID	0063	0064	0067	0068	0069	0070	0071	0072	0073	0074	0075	0076	0077	0078	0079	0080	0081	0082	0083	0084	0085	0086	
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
SPECIAL SENSES SYSTEM																							
Eye	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	A	A	A	+	+	+	+	43
Cornea, Hyperplasia																							1 2.0
Cornea, Inflammation, Chronic Active																							1 1.0
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	A	A	+	+	+	+	44
Infiltration Cellular, Lymphocyte														2									2 2.0
Acinus, Degeneration																							1 3.0
URINARY SYSTEM																							
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	A	+	+	+	+	+	45
Cyst			2	4						2													3 2.7
Infiltration Cellular, Lymphocyte			2																				8 1.4
Nephropathy	1			1						1	1		1	1	1				1	2	1	1	18 1.2
Pelvis, Dilatation																							1 2.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	A	+	+	+	+	45
Infiltration Cellular, Lymphocyte			1																				2 1.0
Lumen, Dilatation									4														1 4.0

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE ALOEWHOLLEAF 2.0	DAY ON TEST																									males (cont...)
	0736	0736	0736	0731	0733	0752	0763	0766	0766	0766	0766	0745	0755	0771	0777	0755	0777	0777	0766	0777	0766	0777	0766	0777	0755	
ANIMAL ID	00091	00092	00093	00094	00090	00092	00093	00094	00091	00092	00093	00094	00091	00092	00093	00094	00091	00092	00093	00094	00091	00092	00093	00094	00091	00092

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+
Gallbladder	+	+	+	+	+	+	+	M	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Ascending Colon Goblet Cell, Hyperplasia	+	+	+	+	+	+	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	A
Intestine Large, Descending Colon Goblet Cell, Hyperplasia	+	+	+	+	+	+	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Transverse Colon Goblet Cell, Hyperplasia	+	+	+	+	+	+	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	A
Intestine Small, Ileum	+	+	+	+	+	+	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum Hyperplasia, Lymphoid	+	+	+	+	+	+	+	A	+	M	+	+	+	A	+	+	+	+	+	+	+	+	+	+	A
Liver Basophilic Focus Infiltration Cellular, Lymphocyte Inflammation, Chronic Active	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+

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 I .. Insufficient tissue
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 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE ALOEWHOLLEAF 2.0	DAY ON TEST																									ANIMAL ID	males (cont...)
	0 7 3 6	0 7 3 6	0 7 3 6	0 7 1 6	0 7 3 6	0 5 2 0	0 6 3 2	0 6 9 6	0 6 1 8	0 6 6 5	0 4 1 6	0 5 3 2	0 7 1 1	0 7 6 4	0 5 3 6	0 7 3 6	0 7 0 7	0 6 4 0	0 7 3 6	0 6 3 6	0 7 6 7	0 6 3 9	0 7 3 6	0 5 9 2	0 5 3 8		
	0 0 0 9 1	0 0 0 9 2	0 0 0 9 3	0 0 0 0 4	0 0 1 0 1	0 0 1 0 2	0 0 1 0 3	0 0 1 1 4	0 0 1 1 1	0 0 1 1 2	0 0 1 1 3	0 0 1 1 4	0 0 3 0 1	0 0 3 0 2	0 0 3 0 3	0 0 4 1 4	0 0 4 1 2	0 0 4 1 3	0 0 4 1 4	0 0 4 1 2	0 0 4 1 1	0 0 4 2 2	0 0 4 2 2	0 0 4 2 3	0 0 4 2 4	0 0 4 2 1	

Necrosis																											
Tension Lipidosis	1		1		1																						
Vacuolization Cytoplasmic																											
Mesentery																											
Fat, Necrosis																											
Pancreas	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infiltration Cellular, Lymphocyte																											
Vacuolization Cytoplasmic	1																										
Duct, Dilatation															4												
Salivary Glands	+	+	+	+	+	+	+	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	
Infiltration Cellular, Lymphocyte	2	1	1	1	1		1	1		2		1		2		2					1	1					
Stomach, Forestomach	+	+	+	+	+	+	+	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	
Stomach, Glandular	+	+	+	+	+	+	+	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active																											
Epithelium, Hyperplasia			1																				1	3			

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy															1												

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
----------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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 BLANK .. Not examined microscopically
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TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE ALOEWHOLLEAF 2.0	DAY ON TEST																									males (cont...)
	0736	0736	0736	0731	0733	0732	0733	0739	0731	0736	0738	0735	0737	0737	0735	0737	0737	0736	0737	0736	0737	0736	0737	0735	0735	
ANIMAL ID	00091	00092	00093	00094	00090	00091	00092	00093	00094	00091	00092	00093	00094	00090	00091	00092	00093	00094	00091	00092	00093	00094	00090	00091	00092	

Hematopoietic Cell Proliferation
Subcapsular, Hyperplasia

1 1 1 1 1 1 1 1 1 1 2 1 2 1 2 2 2

Adrenal Medulla
Hyperplasia

+ + + + + + + A + + + + + A + + + + + + + +
2 1 4 2

Islets, Pancreatic
Hyperplasia

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

Parathyroid Gland
Infiltration Cellular, Lymphocyte

+ + + + + + + M + + + + M M + M + + + + + + +
1

Pituitary Gland
Pars Distalis, Cyst

+ + + + + + + M + + + + + + + + + + + + + M
2

Thyroid Gland
Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active
Follicle, Degeneration

+ + + + + + + A + + + + + + + + + + + + + + +
2 2

GENERAL BODY SYSTEM

Tissue NOS
Cyst

+ + + + + + + + + + +

GENITAL SYSTEM

Epididymis
Atrophy
Fibrosis
Hypospermia

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

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TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS 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: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------|
| | 0736 | 0736 | 0736 | 0731 | 0733 | 0722 | 0739 | 0711 | 0708 | 0706 | 0706 | 0704 | 0705 | 0707 | 0707 | 0705 | 0707 | 0707 | 0706 | 0707 | 0706 | 0707 | 0706 | 0705 | |
| ANIMAL ID | 00091 | 00092 | 00093 | 00094 | 00090 | 00092 | 00093 | 00094 | 00091 | 00092 | 00093 | 00094 | 00091 | 00092 | 00093 | 00094 | 00091 | 00092 | 00093 | 00094 | 00091 | 00092 | 00093 | 00094 | 00091 |

Spermatocele

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Preputial Gland Cyst | + | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | |
| Degeneration | | 2 | | | | | | | | | | | | 2 | | 3 | | | | | | | | 4 | 4 | 3 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | 1 | | | | | | | | | | 3 | 3 | | | | | | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | 3 | | | |
| Inflammation, Chronic Active | | | | | 3 | | | | | | | 2 | | | | | | | | | | | | | | |
| Bilateral, Cyst | | | | | | | | | 3 | | | | | | | | | | | | | | | | | |
| Duct, Ectasia | | | | | 3 | | | | | | | | | | | | | | | | | | | | | |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prostate | + | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | | 1 | | | | | | 1 | | | | | | | | | | 1 | 1 | | | | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | 2 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Seminal Vesicle | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Lumen, Dilatation | | | | | | | | | | | | | | | 4 | | | | | | 2 | 2 | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Testes | + | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + |
| Seminiferous Tubule, Degeneration | | | | | | 1 | | | | | | | | 1 | | | | | | 2 | | | 1 | 4 | 1 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | 2 | | | 2 | 4 | | | | | 2 | 3 | | 2 | | | | | | | | | 2 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|---|--|--|--|---|---|--|
| Lymph Node | | | | | | | | | + | | | | | | | | | | + | | | | + | + | |
|------------|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|---|--|--|--|---|---|--|

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TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 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 | | | | | | | | | |
|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|--|
| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE | | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 6 | 6 | 6 | 4 | 5 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 6 | 7 | 5 | 5 | 5 | 5 | 5 | | | | | | | | | | |
| ALOEWHOLLEAF 2.0 | | 3 | 3 | 3 | 1 | 3 | 2 | 3 | 9 | 1 | 6 | 1 | 3 | 1 | 1 | 6 | 3 | 3 | 0 | 4 | 3 | 3 | 9 | 3 | 9 | 9 | 3 | 3 | 3 | 3 | 3 | | | | | | | | | | |
| ANIMAL ID | | 6 | 6 | 6 | 6 | 6 | 0 | 2 | 6 | 8 | 5 | 6 | 2 | 0 | 8 | 4 | 6 | 6 | 7 | 0 | 6 | 6 | 7 | 6 | 7 | 6 | 2 | 8 | 8 | 8 | | | | | | | | | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | | | | | | | | |
| | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | | | | | | | | | | |
| Axillary, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | 3 | 2 | | | | | | | | | | | | | | | | | | |
| Axillary, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| Inguinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2 | | | | | | | | | | | | | | | |
| Inguinal, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2 | | | | | | | | | | | | | | | |
| Renal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| Renal, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | | + | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | A | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | | + | + | + | + | + | + | + | + | A | + | + | M | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 3 | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 3 | | | | 4 | 3 | 2 | 1 | 1 | | | | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | |
| Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sinus, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | 4 | | | | | | | | |
| Spleen | | + | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | |
| Depletion Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 2 | 4 | 2 | 2 | 4 | | | | 4 | 3 | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 3 | | | | | | | 3 | 3 | 2 | | | | | |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thymus | | + | + | + | + | + | + | + | + | M | M | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | M | M | | | | | | | | | | | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | 4 | 3 | | | | | | | | | | | | 4 | | | | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

males
(cont...)

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--|--------------------|
| | 0
7
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6 | 0
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6 | 0
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6 | 0
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6 | 0
7
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6 | 0
5
2
0 | 0
6
3
2 | 0
6
9
6 | 0
6
1
8 | 0
6
6
5 | 0
4
1
6 | 0
5
3
2 | 0
7
1
1 | 0
7
1
8 | 0
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4 | 0
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6 | 0
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6 | 0
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4
0 | 0
7
3
6 | 0
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6 | 0
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9
6 | 0
5
3
2 | 0
5
9
8 | | | |
| ANIMAL ID | 0
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9
1 | 0
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0
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2 | 0
0
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3 | 0
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4 | 0
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2 | 0
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3 | 0
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4 | 0
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1 | 0
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3
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2 | 0
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3 | 0
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4 | 0
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1 | 0
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4
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2 | 0
0
4
2
3 | 0
0
4
2
4 | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M |
| Skin | + | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Fibrosis | | | | | 4 | | | | | | | | | | | | | | | | | 4 | | |
| Hyperplasia, Basal Cell | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| Inflammation, Suppurative | | | | 2 | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | 1 | | 2 | | | | | | | | | 2 | | | | | |
| Metaplasia, Osseous | | | | | | | | | | | | | | 2 | | | | | | | | | | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | |
| Ulcer | | | | | | | | | | | | 2 | | | | | | | | | | 2 | | |
| Epithelium, Hyperplasia | | | | | | | | 2 | | 2 | | | | 2 | | | | | | | | 2 | | |

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain, Brain Stem | + | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Mineralization | 1 | | | | 1 | | 2 | 1 | | 1 | 1 | 1 | 1 | 1 | | | | | | | 1 | 1 | 1 | 1 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|--------------------|-------|-----------------|-------|--|
| | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | | | 0736 | | | |
| | 00091 | 00092 | 00093 | 00094 | 00095 | 00096 | 00097 | 00098 | 00099 | 00100 | 00101 | 00102 | 00103 | 00104 | 00105 | 00106 | 00107 | 00108 | 00109 | 00110 | | | 00111 | 00112 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00091 | males (cont...) | | |
| | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 6 | 6 | 6 | 4 | 5 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 5 | 5 | 00092 | |
| | 3 | 3 | 3 | 1 | 3 | 2 | 3 | 9 | 1 | 6 | 1 | 3 | 1 | 1 | 6 | 3 | 3 | 0 | 4 | 3 | 9 | 3 | 9 | 3 | 00093 | |
| | 6 | 6 | 6 | 6 | 6 | 0 | 2 | 6 | 8 | 5 | 6 | 2 | 0 | 8 | 4 | 6 | 6 | 7 | 0 | 6 | 6 | 7 | 6 | 8 | 00094 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00095 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00096 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00097 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00098 | |
| | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 00099 | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 00100 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00101 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00102 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00103 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00104 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00105 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00106 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00107 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00108 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00109 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00110 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00111 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00112 | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | 1 | | | | | | | | | | | 4 | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | 1 | | | | | | | | 2 | | | | 2 | | | | |
| Nose | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyaline Droplet | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | | 1 | 3 | 1 | | 3 | 2 | 2 | 3 | 3 | 2 | 2 | | | 4 | |
| Posterior To Upper Incisor, Dysplasia | | | | | | | | | | | | | | | | | | | | | | | | |
| Trachea | + | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A |
| Cataract | | | | | | | | | | | | | | | | | | | | | | | | |
| Harderian Gland | + | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Cyst | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 1 | 1 | | 1 | 1 | | | 1 | | | | | | | | | | | | | | | | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | |
| Nephropathy | | | | | | | | 1 | | | | 2 | | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:08

First Dose M/F: 04/19/05 / 04/19/05

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 2.0 | 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 | 0 | 0 | 0 | 0 | ANIMAL ID | males
(cont...) |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------------|
| | | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 6 | 6 | 6 | 4 | 5 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 6 | 7 | 5 | 5 | | |
| | | 3 | 3 | 3 | 1 | 3 | 2 | 3 | 9 | 1 | 6 | 1 | 3 | 1 | 1 | 6 | 3 | 3 | 0 | 4 | 3 | 3 | 9 | 3 | 9 | 3 | 9 | 3 | | |
| | | 6 | 6 | 6 | 6 | 6 | 0 | 2 | 6 | 8 | 5 | 6 | 2 | 0 | 8 | 4 | 6 | 6 | 7 | 0 | 6 | 6 | 7 | 6 | 7 | 6 | 2 | 8 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | |
| | | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 9 | | |
| | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 1 | | |

Pigmentation
 Pelvis, Dilatation

2

Urinary Bladder
 Infiltration Cellular, Lymphocyte
 Lumen, Dilatation

+ + + + + + + + A + + + + + A + + + + + + + + + + + + + +
 3

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:08

First Dose M/F: 04/19/05 / 04/19/05

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------|
| | 0736 | 0736 | 0742 | 0773 | 0773 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | | 0777 |
| ANIMAL ID | 00492 | 00493 | 00494 | 00495 | 00496 | 00497 | 00498 | 00499 | 00500 | 00501 | 00502 | 00503 | 00504 | 00505 | 00506 | 00507 | 00508 | 00509 | 00510 | 00511 | 00512 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|-----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | | |
| Gallbladder | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | | |
| Intestine Large, Ascending Colon
Goblet Cell, Hyperplasia | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | 20 | 1.6 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 44 | | |
| Intestine Large, Descending Colon
Goblet Cell, Hyperplasia | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | 12 | 1.5 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | | |
| Intestine Large, Transverse Colon
Goblet Cell, Hyperplasia | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | 21 | 1.7 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 44 | | |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | | |
| Intestine Small, Jejunum
Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 43 | 1 | 3.0 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | | |
| Basophilic Focus | | | X | | | | | | | | | | | | X | | | | | | | X | 5 | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | 1 | | | | 2 | 1.0 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | 1.0 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

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M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------|-------|--------|
| | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | | 0736 | | |
| ANIMAL ID | 00492 | 00493 | 00494 | 00495 | 00496 | 00497 | 00498 | 00499 | 00500 | 00501 | 00502 | 00503 | 00504 | 00505 | 00506 | 00507 | 00508 | 00509 | 00510 | 00511 | 00512 | | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | 2 | 1 2.0 | |
| Tension Lipidosis | | | | | | | | | | | | | | | | | | | | | | | 2 | 4 1.3 |
| Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 2.0 |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 2.5 |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 2.5 |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | | 47 | 1 1.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | 1 | 3 1.3 |
| Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 4.0 |
| Duct, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | | 46 | 23 1.2 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 1 |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | | 45 | |
| Stomach, Glandular | | | | | | | | | | | | | | | | | | | | | | | 45 | 1 2.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 1.7 |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|-------|
| Blood Vessel | | | | | | | | | | | | | | | | | | | | | | | 47 | |
| Heart | | | | | | | | | | | | | | | | | | | | | | | 47 | 2 1.0 |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|--|
| Adrenal Cortex | | | | | | | | | | | | | | | | | | | | | | | 46 | |
|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|--|

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:08

First Dose M/F: 04/19/05 / 04/19/05

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------------------------------|
| | 0736 | 0736 | 0742 | 0773 | 0773 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | | 0777 |
| ANIMAL ID | 00492 | 00493 | 00494 | 00495 | 00496 | 00497 | 00498 | 00499 | 00500 | 00501 | 00502 | 00503 | 00504 | 00505 | 00506 | 00507 | 00508 | 00509 | 00510 | 00511 | 00512 | |
| Hematopoietic Cell Proliferation
Subcapsular, Hyperplasia | | | 1 | | | | | | | | | | | | | | | | | | | 1 1.0
32 1.5 |
| Adrenal Medulla
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46
5 2.0 |
| Islets, Pancreatic
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46
1 2.0 |
| Parathyroid Gland
Infiltration Cellular, Lymphocyte | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | 42
1 1.0 |
| Pituitary Gland
Pars Distalis, Cyst | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 45
4 2.5 |
| Thyroid Gland
Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active
Follicle, Degeneration | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47
1 2.0
2 1.0
3 1.3 |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | | | | | | | |
| Tissue NOS
Cyst | | | | | | | | | | | | | | | | | | | | | | 3
1 4.0 |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | |
| Epididymis
Atrophy
Fibrosis
Hypospermia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46
1 2.0
1 2.0
2 2.5 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------|-------|
| | 0736 | 0736 | 0742 | 0773 | 0773 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | | 0777 | |
| ANIMAL ID | 00492 | 00493 | 00494 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | | |
| Spermatocele | | | | | | | | | | | | | | | | | | | | | | 1 | 1 1.0 |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | 5 | 1.8 |
| Degeneration | | | | | | | | | | | | | | | | | | | | | | 10 | 3.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | 4 | 2.3 |
| Inflammation, Suppurative | 3 | | | | | | | | | | | | | | | | | | | | | 6 | 3.3 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | 4 | 2.5 |
| Bilateral, Cyst | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Duct, Ectasia | | | | | | | | | | | | | | | | | | | | | | 3 | 3.7 |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | 6 | 1.0 |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 |
| Lumen, Dilatation | | | | | | | | | | | | | | | | | | | | | | 4 | 2.8 |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | |
| Seminiferous Tubule, Degeneration | | | | | | | | | | | | | | | | | | | | | | 11 | 2.0 |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | 13 | 2.3 |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | 9 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| DAY ON TEST | C57BL/6N XC3H/HEN MTV-NCTR MICE MALE | | | | | | | | | | | | | | | | | | | | * TOTALS |
|--|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 7 | 7 | 4 | 7 | 3 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 5 | 7 | 4 | 6 | 7 | 7 | 7 |
| 3 | 3 | 7 | 3 | 6 | 1 | 1 | 3 | 3 | 6 | 9 | 6 | 3 | 3 | 0 | 2 | 5 | 4 | 9 | 3 | 3 | 3 |
| 6 | 6 | 2 | 6 | 5 | 1 | 1 | 6 | 6 | 6 | 3 | 6 | 6 | 6 | 0 | 7 | 7 | 9 | 7 | 6 | 6 | 6 |
| 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 |
| | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 7 | 7 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 5 | 5 | 5 | 6 | 6 | 6 |
| | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 2 | 4 |
| Axillary, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | 2 |
| Axillary, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | 1 |
| Inguinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | 3 |
| Inguinal, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | 2 |
| Renal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | 1 |
| Renal, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | 1 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | 45 |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | 1 | | | | | | 1 | 4 |
| | | | | | | | | | | | | | | | 2 | | | | | | 1 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | 3 |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | 2 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | 2 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | 2 |
| Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | 2 |
| Sinus, Dilatation | | | | | | | | | | | | | | | | | | | | | 2 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | 46 |
| Depletion Lymphoid | | | | | | | | | | | | | | | | | | | | | 1 |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | 4 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | 4 |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | 2 |
| Thymus | + | M | + | + | + | M | + | + | + | M | + | + | M | + | + | + | + | + | M | + | + |
| Atrophy | | | | | | | | | | | | | | | | | | | | | 37 |
| Mineralization | | | | | | | | | | | | | | | | | | | | | 17 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| DAY ON TEST | C57BL/6N XC3H/HEN MTV-NCTR MICE MALE | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|-------------|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| 7 | 7 | 4 | 7 | 3 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 5 | 7 | 4 | 6 | 7 | 7 | 7 | |
| 3 | 3 | 7 | 3 | 6 | 1 | 1 | 3 | 3 | 6 | 9 | 6 | 3 | 3 | 0 | 2 | 5 | 4 | 9 | 3 | 3 | 3 | |
| 6 | 6 | 2 | 6 | 5 | 1 | 1 | 6 | 6 | 6 | 3 | 6 | 6 | 6 | 0 | 7 | 7 | 9 | 7 | 6 | 6 | 6 | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 7 | 7 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | |
| 9 | 9 | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | |
| 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Mammary Gland | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | 0 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Fibrosis | | 4 | | 4 | | | | | | | | | | | | | | | | | | | 4 4.0 |
| Hyperplasia, Basal Cell | | | | | | | | | | | | | | | | | | | 1 | | | | 1 4.0 |
| Inflammation, Suppurative | | 3 | | | | | | | | | | | | | | | | | | | | | 3 2.0 |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Inflammation, Chronic Active | | | | 3 | | | | | | | | | | | | | | | | | | | 4 2.0 |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Mineralization | | | | | | | | | | | | | | | | | | 3 | | | | | 1 3.0 |
| Ulcer | | 4 | | 4 | | | | | | | | | | | | | | | | | | | 4 3.0 |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | 4 2.0 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | 3 |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Brain, Brain Stem | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Mineralization | | 1 | | 1 | | | 2 | 1 | | | | | 1 | 1 | | | 1 | | 1 | 1 | 1 | | 24 1.1 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| | 0736 | 0736 | 0742 | 0773 | 0773 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | |
| ANIMAL ID | 00492 | 00493 | 00494 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|--|--|--|--|---|---|---|---|---|---|--|--|---|--|----|--------|---|---|
| Lung | + | | | | | | | | | | | | | | | | | | | | 46 | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | 2 2.5 | | |
| Alveolar Epithelium, Hyperplasia | 2 | | | | | | | | | | | | | | | | | | | | | 4 1.8 | | |
| Nose | + | | | | | | | | | | | | | | | | | | | | 47 | | | |
| Hyaline Droplet | 2 | 1 | 2 | 2 | 2 | 1 | | | | | 2 | 1 | 1 | 2 | 2 | 2 | | | 2 | | 3 | 2 | 2 | 3 |
| Posterior To Upper Incisor, Dysplasia | | | | | | | | | | | | | | | | | | | | | | 39 2.0 | | |
| 1 | | | | | | | | | | | | | | | | | | | | | | 1 4.0 | | |
| Trachea | + | | | | | | | | | | | | | | | | | | | | 46 | | | |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|-------|
| Eye | + | | | | | | | | | | | | | | | | | | | | 44 | |
| Cataract | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Harderian Gland | + | | | | | | | | | | | | | | | | | | | | 46 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | 3 1.7 |
| Epithelium, Hyperplasia | 2 | | | | | | | | | | | | | | | | | | | | | 1 2.0 |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|--|---|--|---|---|---|--|--|---|--|---|---|--|--|--|--|--|---|---|----|--------|---|
| Kidney | + | | | | | | | | | | | | | | | | | | | | 46 | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | 2 1.5 | |
| Fibrosis | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | | 3 3.3 | |
| Infiltration Cellular, Lymphocyte | 1 | | 2 | | 4 | | | | | 2 | | 4 | | | | | | | 1 | 2 | | | 2 |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | 10 1.3 | |
| Nephropathy | | | | | | | | | | | | | | | | | | | | | | 2 1.0 | |
| 2 | | | | | 2 | 1 | 1 | | | | | 1 | 1 | | | | | | 1 | | 1 | | |
| 17 | | | | | | | | | | | | | | | | | | | | | | 17 1.2 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|-------|
| | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | | 0736 |
| ANIMAL ID | 0042 | 0043 | 0044 | 0045 | 0046 | 0047 | 0048 | 0049 | 0050 | 0051 | 0052 | 0053 | 0054 | 0055 | 0056 | 0057 | 0058 | 0059 | 0060 | 0061 | 0062 | |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Pelvis, Dilatation | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | 1 | | 1 | | | | | | | | | | 2 1.0 |
| Lumen, Dilatation | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------|
| | 0431 | 0436 | 0452 | 0456 | 0465 | 0467 | 0471 | 0473 | 0476 | 0477 | 0481 | 0483 | 0486 | 0487 | 0491 | 0493 | 0496 | 0497 | 0501 | 0503 | 0506 | 0507 | 0511 | 0513 | 0516 | |
| ANIMAL ID | 00031 | 00032 | 00033 | 00034 | 00041 | 00042 | 00043 | 00044 | 00047 | 00048 | 00051 | 00052 | 00053 | 00054 | 00057 | 00058 | 00061 | 00062 | 00063 | 00064 | 00067 | 00068 | 00071 | 00072 | 00073 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Gallbladder | + | + | + | + | + | + | M | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A | + | | |
| Intestine Large, Ascending Colon
Goblet Cell, Hyperplasia | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | M | + | + | + | + | A | + |
| Intestine Large, Cecum
Goblet Cell, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | M | + | + | + | + | + | + | + | + | A | + |
| Intestine Large, Descending Colon
Goblet Cell, Hyperplasia | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A | + |
| Intestine Large, Transverse Colon
Goblet Cell, Hyperplasia | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + |
| Intestine Small, Ileum | + | + | + | + | + | + | + | A | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | A | + |
| Intestine Small, Jejunum
Hyperplasia, Lymphoid | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A | + |
| Liver
Angiectasis
Basophilic Focus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | | |
|----------------------------|-----------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|---|---|---|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | | |
| | | 4 | 7 | 5 | 5 | 6 | 5 | 6 | 1 | 7 | 7 | 6 | 7 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | | 3 | 7 | 5 | 7 |
| C57BL/6N XC3H/HEN MTV-NCTR | MICE MALE | 3 | 3 | 2 | 1 | 5 | 6 | 1 | 7 | 3 | 3 | 8 | 1 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | | 6 | 0 | 1 | 3 |
| ALOEWOLLEAF 3.0 | ANIMAL ID | 1 | 6 | 6 | 1 | 4 | 2 | 7 | 5 | 6 | 6 | 9 | 4 | 7 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 3 | 6 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 5 | 5 | 5 | |
| | | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 7 | 7 | 7 | 7 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | |
| | | 1 | 2 | 3 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 5 | 1 | |

Basophilic Focus, Multiple

Cyst

Infiltration Cellular, Lymphocyte

Infiltration Cellular, Polymorphonuclear

Inflammation, Chronic Active

Karyomegaly

Necrosis

Tension Lipidosis

Vacuolization Cytoplasmic

Mesentery

Fat, Necrosis

Pancreas

Infiltration Cellular, Lymphocyte

Vacuolization Cytoplasmic

Salivary Glands

Infiltration Cellular, Lymphocyte

Stomach, Forestomach

Stomach, Glandular

Inflammation, Chronic Active

Epithelium, Hyperplasia

CARDIOVASCULAR SYSTEM

Blood Vessel

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
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3 | 0
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| ANIMAL ID | 0
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1 | 0
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3 | 0
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|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heart
Cardiomyopathy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + |
| Accessory Adrenal Cortical Nodule | | | | | X | | | | | | | | | | | | | | | | | | | | | |
| Cyst | | | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| Hypertrophy | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | 1 | 1 | | | 2 | 1 | 2 | | | | 1 | 1 | 1 | | 1 | | 1 | 1 | 2 | 1 | 2 | 1 | 1 | | | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + |
| Hyperplasia | | | | | | 2 | 2 | | | | 3 | | | | | | | | | | | | | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + |
| Hyperplasia | | | | | | | | | | | | | | | | | | | 2 | 4 | | | | | | |
| Parathyroid Gland | + | + | + | + | + | + | + | M | + | + | + | + | + | M | M | + | + | + | M | + | + | + | + | A | M | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | A | + |
| Pars Distalis, Cyst | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Follicle, Degeneration | | | | | | | 1 | | | | | | | | | | | | | | | | | | | 2 |

GENERAL BODY SYSTEM

NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| DAY ON TEST | C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 3.0 | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) | |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|--|
| | 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 | | |
| | 4 | 7 | 5 | 5 | 6 | 5 | 6 | 1 | 7 | 7 | 6 | 7 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | 3 | 7 | 3 | 7 | 5 | 7 | |
| | 3 | 3 | 2 | 1 | 5 | 6 | 1 | 7 | 3 | 3 | 8 | 1 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 6 | 0 | 1 | 3 | 6 | |
| | 1 | 6 | 6 | 1 | 4 | 2 | 7 | 5 | 6 | 6 | 9 | 4 | 7 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 3 | 5 | 6 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 7 | 7 | 7 | 7 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| | 1 | 2 | 3 | 3 | 4 | 1 | 2 | 3 | 4 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | |

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Epididymis
Inflammation, Chronic Active
Serosa, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| Preputial Gland
Cyst
Degeneration
Infiltration Cellular, Lymphocyte
Inflammation, Suppurative
Fat, Necrosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| Prostate
Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A | + | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| Seminal Vesicle
Lumen, Dilatation | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A | + | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| Testes
Interstitial Cell, Hyperplasia
Seminiferous Tubule, Degeneration | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A | + | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Bone Marrow
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
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TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:08

First Dose M/F: 04/19/05 / 04/19/05

Lab: NCTR

| DAY ON TEST | C57BL/6N XC3H/HEN MTV-NCTR MICE MALE | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males (cont...) |
|-------------|--------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|-----------------|
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3 | | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 7 | 7 | 7 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1 | 2 | 3 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 4 | 1 |

Axillary, Hyperplasia, Lymphoid
 Inguinal, Hyperplasia, Lymphoid
 Inguinal, Infiltration Cellular, Plasma Cell 2
 Lumbar, Erythrophagocytosis
 Lumbar, Hyperplasia, Lymphoid
 Lumbar, Infiltration Cellular, Plasma Cell 3
 Pancreatic, Erythrophagocytosis
 Pancreatic, Infiltration Cellular, Plasma Cell
 Renal, Erythrophagocytosis
 Renal, Infiltration Cellular, Plasma Cell 2

Lymph Node, Mandibular
 Hyperplasia, Lymphoid
 Infiltration Cellular, Plasma Cell

+ A +
 2 2

Lymph Node, Mesenteric
 Angiectasis
 Hematopoietic Cell Proliferation
 Hemorrhage
 Hyperplasia, Lymphoid
 Infiltration Cellular, Histiocyte
 Infiltration Cellular, Plasma Cell
 Infiltration Cellular, Polymorphonuclear
 Thrombus
 Sinus, Dilatation

+ + + + + + A + + + + M + + + + + + + + + + A +
 2 2
 2 2 2
 2 2 2 4
 1 2 2 4 2 2 2 4
 2 2 4 3
 4 4
 3 4
 2 2 4
 2 2 2 4 2

Spleen
 Hematopoietic Cell Proliferation
 Hyperplasia, Lymphoid

+ + + + + + A + + + + + + + + + + + + A +
 2 3 4 4 4 3 4 3 2 3 4 2
 2 2 2 3

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
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TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | | | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--|
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4
3 | 0
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4 | 0
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1 | |

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|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Thymus | + | + | + | M | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | A | + |
| Atrophy | | | | | | 3 | 2 | | | | 4 | 2 | 3 | 4 | 2 | 4 | 2 | 3 | | | 2 | 3 | | | |
| Hyperplasia, Lymphoid | | | | | | | | | 1 | | | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | + | M | M | M | M | M |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Suppurative | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | 3 | | | | | 3 | | | | | | | | | | | | |
| Necrosis | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Ulcer | | | | | | | 1 | 2 | | | | 4 | | | | | | | | | | | | | |
| Epithelium, Hyperplasia | 2 | | | | | 2 | 2 | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain, Brain Stem | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A | + |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A | + |
| Brain, Cerebrum | + | + | + | + | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A | + |
| Mineralization | | 2 | 1 | | | | | | 1 | 2 | | | | 2 | 1 | 1 | 1 | 1 | 1 | | 1 | | | | |

RESPIRATORY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| DAY ON TEST | C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 3.0 | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|-------------|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------|--------------------|
| | 0
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7 | 0
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6 | 0
7
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6 | 0
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4 | 0
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7 | 0
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6 | 0
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3 | 0
7
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6 | | | |
| ANIMAL ID | 0
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| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung
Infiltration Cellular, Lymphocyte
Alveolar Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + |
| | | 2 | | | | | | | | 2 | | | | | | | | | | | | 2 | | |
| Nose
Hyaline Droplet | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + |
| | | 2 | | | | | | | | 1 | | 2 | | 3 | 3 | | | | 1 | 1 | | | | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye
Cataract | + | + | + | + | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A | + |
| | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Harderian Gland
Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active
Acinus, Degeneration
Acinus, Dilatation | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A | + |
| | | | | 2 | | | | | | | | | | | | 1 | | | | | | | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney
Cyst Multilocular
Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active
Nephropathy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + |
| | | | | | | | | | | | | | | 4 | | | | | | | | | | |
| | | | | 2 | | 1 | 1 | | 1 | | 1 | | | | 2 | 1 | | 1 | | | | | | |
| | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| | | | | | | | | | 1 | | 2 | | | | | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 3 |
| Urethra | | | | | | | | + | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--|
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1 | |

Urinary Bladder
 Infiltration Cellular, Lymphocyte
 Inflammation, Chronic Active
 Lumen, Dilatation

+ + + + + + + + + + + A + + + + + + + + + + + A +
 1 1
 4
 2

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| DAY ON TEST | C57BL/6N XC3H/HEN MTV-NCTR MICE MALE | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|-------------|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|
| | 0736 | 0736 | 0736 | 0736 | 0736 | 0768 | 0776 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | | 0777 |
| ANIMAL ID | ALOEWHOLLEAF 3.0 | | | | | | | | | | | | | | | | | | | | * TOTALS | |
| 00552 | 00553 | 00554 | 00571 | 00572 | 00573 | 00574 | 00577 | 00578 | 00579 | 00581 | 00582 | 00583 | 00584 | 00588 | 00589 | 00590 | 00591 | 00592 | 00593 | 00594 | | 00598 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | 47 |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 43 |
| Intestine Large, Ascending Colon
Goblet Cell, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 42 |
| | | 2 | 1 | | 2 | | | | 2 | | | | 2 | 2 | 1 | | | | | | | 1 | | | 19 1.6 |
| Intestine Large, Cecum
Goblet Cell, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 43 |
| | | | | | | | | | 1 | | | | | | | | | | | | | | | | 1 1.0 |
| Intestine Large, Descending Colon
Goblet Cell, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 43 |
| | | | | 1 | | 1 | | | | | | | 1 | 1 | 1 | | | | | | | | | | 17 1.4 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | A | + | A | + | 42 |
| Intestine Large, Transverse Colon
Goblet Cell, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | 43 |
| | | 2 | 1 | | 2 | | | | 2 | | 1 | 2 | 2 | 2 | 1 | | | | | | | | 1 | | 22 1.6 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 44 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | 43 |
| Intestine Small, Jejunum
Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | 43 |
| | | | | | | | | | | | | | | | | | | | | | 2 | | | | 1 2.0 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Basophilic Focus | | | | | | | | | | | | | X | | | | | | X | | | | | 5 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:08

First Dose M/F: 04/19/05 / 04/19/05

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------|-----|
| | 0736 | 0736 | 0736 | 0736 | 0736 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | | 0768 | |
| ANIMAL ID | 00552 | 00553 | 00554 | 00571 | 00572 | 00573 | 00574 | 00578 | 00579 | 00582 | 00583 | 00584 | 00588 | 00588 | 00588 | 00588 | 00588 | 00588 | 00588 | 00588 | 00588 | | |
| Basophilic Focus, Multiple Cyst | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | 4 | 1.3 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Karyomegaly | | | | | | | | | | | | | | | | | | | | | | 4 | 4.0 |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | 3 | 3.0 |
| Tension Lipidosis | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | 3 | 2.0 |
| Mesentery Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | 4 | 3.0 |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | 45 | 1.5 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | 45 | 1.2 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | 29 | 1.2 |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | 44 | |
| Stomach, Glandular | | | | | | | | | | | | | | | | | | | | | | 45 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | 2 | 3.0 |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | | | | | | | | | | | | | | | | | | | | | | 47 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| | 0736 | 0736 | 0736 | 0736 | 0736 | 0768 | 0776 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | |
| ANIMAL ID | 0052 | 0053 | 0054 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|--------|-------|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 45 | | |
| Accessory Adrenal Cortical Nodule | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | | |
| Hypertrophy | | | | | | | | | | 2 | | | | | | | | | | | | | 1 2.0 | | |
| Subcapsular, Hyperplasia | 4 | 2 | 2 | 1 | 1 | 2 | 2 | 1 | 3 | 2 | 1 | | | 2 | 1 | 2 | 1 | | 2 | | 2 | 1 | 1 | 35 1.5 | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | A | + | + | + | 44 | |
| Hyperplasia | | | | | | | | | | 2 | | | | | | | | | | | | | | 4 2.3 | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 45 |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 2 3.0 |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 41 | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | 45 |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | | | | | | | | | 3 1.7 | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 45 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | 3 1.0 | |
| Follicle, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | 4 1.5 | |

GENERAL BODY SYSTEM

NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
6
6
8 | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
6
8
9 | 0
7
2
9 | 0
6
1
9 | 0
7
0
9 | 0
6
1
9 | 0
6
5
9 | 0
7
3
6 | | 0
7
3
6 | 0
7
3
6 | |
| ANIMAL ID | 0
0
5
5
2 | 0
0
5
5
3 | 0
0
5
5
4 | 0
0
7
7
1 | 0
0
7
7
2 | 0
0
7
7
3 | 0
0
7
7
4 | 0
0
7
7
8 | 0
0
7
7
1 | 0
0
7
7
2 | 0
0
7
7
3 | 0
0
7
7
4 | 0
0
8
8
1 | 0
0
8
8
2 | 0
0
8
8
3 | 0
0
8
8
4 | 0
0
8
8
1 | 0
0
8
8
2 | 0
0
8
8
3 | 0
0
8
8
4 | 0
0
8
8
1 | 0
0
8
8
2 | 0
0
8
8
3 | 0
0
8
8
4 |

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|--------|-------|-------|-------|
| Epididymis
Inflammation, Chronic Active
Serosa, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 45 | 1 2.0 | 1 2.0 | | | |
| Preputial Gland
Cyst
Degeneration
Infiltration Cellular, Lymphocyte
Inflammation, Suppurative
Fat, Necrosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 45 | 4 2.5 | 17 2.8 | 5 1.8 | 1 2.0 | 1 4.0 |
| Prostate
Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | M | + | + | + | 44 | 6 1.0 | 1 1.0 | | | |
| Seminal Vesicle
Lumen, Dilatation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 44 | 5 2.2 | | | | |
| Testes
Interstitial Cell, Hyperplasia
Seminiferous Tubule, Degeneration | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 44 | 1 1.0 | 3 2.0 | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| Bone Marrow
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 45 | 7 3.3 |
| Lymph Node | | | | | | + | | | | | | | | | + | | | | | | + | | 7 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | | | | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------|-------|-------|-----|-------|-------|-------|-----|-----|-----|
| | 0736 | 0736 | 0736 | 0736 | 0736 | 0768 | 0776 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | | 0777 | | | | | | | | | |
| ANIMAL ID | 00552 | 00553 | 00554 | 00571 | 00572 | 00573 | 00574 | 00577 | 00578 | 00588 | 00588 | 00588 | 00588 | 00588 | 00588 | 00588 | 00588 | 00588 | 00588 | 00588 | 00588 | | | | | | | | | | |
| Axillary, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | 3 | 1 3.0 | | | | | | | | |
| Inguinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | 3 | 1 3.0 | | | | | | | |
| Inguinal, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | | | | | | |
| Lumbar, Erythrophagocytosis | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 1 4.0 | | | | | |
| Lumbar, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 1 3.0 | | | | | |
| Lumbar, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | | | | |
| Pancreatic, Erythrophagocytosis | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 1 3.0 | | | | |
| Pancreatic, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 1 3.0 | | | | |
| Renal, Erythrophagocytosis | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 1 4.0 | | | |
| Renal, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | | | |
| Lymph Node, Mandibular | | | | | | | | | | | | | | | | | | | | | | | | | | | 44 | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2.0 | | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | | |
| Lymph Node, Mesenteric | | | | | | | | | | | | | | | | | | | | | | | | | | | | 43 | | | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | 2.2 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 23 | 2.3 | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 2.8 | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 4.0 | |
| Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | |
| Thrombus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 | |
| Sinus, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2.0 | |
| Spleen | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 44 | | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 14 | 3.4 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 22 | 2.5 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| | 0736 | 0736 | 0736 | 0736 | 0736 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | |
| ANIMAL ID | 0052 | 0053 | 0054 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|-----|
| Thymus Atrophy | + | + | | + | + | + | + | + | + | + | + | M | + | + | + | M | + | M | + | M | + | + | + | 40 | 23 | 2.7 |
| Hyperplasia, Lymphoid | | | 2 | | 2 | 2 | 2 | 4 | | 1 | | | | 2 | 4 | | 4 | | | 4 | 2 | | | | 1 | 1.0 |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|
| Mammary Gland | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | 1 | | |
| Skin Hemorrhage | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | 1 | 4.0 |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 3.0 |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2.3 |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | 2 | | | 4 | 2.0 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--|--|
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 46 | | |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--|--|

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|-----|
| Brain, Brain Stem | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 44 | | |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 44 | | |
| Brain, Cerebrum Mineralization | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 43 | 24 | 1.2 |

RESPIRATORY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:08

First Dose M/F: 04/19/05 / 04/19/05

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|--------|
| | 0736 | 0736 | 0736 | 0736 | 0736 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | | 0768 |
| ANIMAL ID | 00552 | 00553 | 00554 | 00557 | 00557 | 00557 | 00557 | 00557 | 00557 | 00557 | 00557 | 00557 | 00557 | 00557 | 00557 | 00557 | 00557 | 00557 | 00557 | 00557 | 00557 | |
| Lung
Infiltration Cellular, Lymphocyte
Alveolar Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| | | | | | | | | | | | | | | | | | | | | | | 2 2.0 |
| Nose
Hyaline Droplet | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| | | 1 | 2 | | | | 1 | | | | | | | | | 3 | 2 | 2 | | | | 13 1.8 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | 45 |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | |
| Eye
Cataract | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | 43 |
| | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Harderian Gland
Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active
Acinus, Degeneration
Acinus, Dilatation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | 44 |
| | | | | | | | | | | | | | | | | | | | | | | 2 1.5 |
| | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| | | | | | 2 | | | | | | | | | | | | | | | | | 1 2.0 |
| | | | | | | 2 | | | | | | | | | | | | | | | | 1 2.0 |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | |
| Kidney
Cyst Multilocular
Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active
Nephropathy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | 45 |
| | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| | | | | | | | | | | | | | 1 | | 1 | 2 | | | | | | 12 1.3 |
| | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| | | | | | | | | | | | | | | | | | | | | | 1 1 1 | 20 1.3 |
| Urethra | | | | | | | | | | | | | | | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
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 1) Minimal 3) Moderate
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TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
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 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| DAY ON TEST | | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | |
|-----------------------------------|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|-----------------------|-----------------------|------------------|-----|
| | C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
7
6
8 | 0
7
3
6 | 0
7
3
6 | 0
7
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6 | 0
7
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6 | 0
7
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6 | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
6
8
9 | 0
7
2
9 | 0
6
1
9 | 0
7
0
9 | 0
6
5
9 | | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | |
| ALOEWHOLLEAF 3.0 | | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | |
| ANIMAL ID | 0
0
5
5
2 | 0
0
5
5
3 | 0
0
5
5
4 | 0
0
7
7
1 | 0
0
7
7
2 | 0
0
7
7
3 | 0
0
7
7
4 | 0
0
7
7
1 | 0
0
7
7
2 | 0
0
8
8
3 | 0
0
7
7
4 | 0
0
8
8
1 | 0
0
7
7
2 | 0
0
8
8
3 | 0
0
8
8
4 | 0
0
6
6
1 | 0
0
8
8
2 | 0
0
8
8
3 | 0
0
8
8
1 | 0
0
8
8
2 | | 0
0
8
8
3 | 0
0
8
8
4 | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 44 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 |
| Lumen, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |

*** END OF MALE DATA ***

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
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 2) Mild 4) Marked

TDMS No. 20116 - 04
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CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:08

First Dose M/F: 04/19/05 / 04/19/05

Lab: NCTR

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
CONTROL WATER | DAY ON TEST | 0716 | 0736 | 0736 | 0736 | 0736 | 0764 | 0776 | 0776 | 0776 | 0766 | 0776 | 0776 | 0776 | 0776 | 0776 | 0776 | 0776 | 0776 | 0776 | 0776 | 0776 | 0776 |
| | ANIMAL ID | 00051 | 00052 | 00053 | 00054 | 00058 | 00081 | 00082 | 00083 | 00084 | 00088 | 00091 | 00092 | 00093 | 00094 | 00096 | 00097 | 00099 | 00100 | 00101 | 00102 | 00103 | 00104 |

females (cont...)

| | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|
| Blood Vessel | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cardiomyopathy | | | | | | | | | | | | | | | | | 2 | | | | | | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | 1 1 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Vacuolization Cytoplasmic Subcapsular, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Medulla | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia | | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 1 | | | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 1 | 2 | 2 | 2 | 2 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | M | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland | + | + | + | + | + | + | + | M | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pars Distalis, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ectopic Thymus | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte Follicle, Degeneration | | | | | | | | | | | | | | | | | | | | | | | |
| Follicular Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | |
| Follicular Cell, Hypertrophy | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| DAY ON TEST | C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | | |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|---|---|
| | 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 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 0 | 0 |
| 1 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 9 | 3 | 1 | 3 | 3 | 5 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 0 | 0 |
| 6 | 6 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 3 | 6 | 4 | 6 | 6 | 4 | 6 | 6 | 0 | 6 | 6 | 6 | 6 | 0 | 0 |
| 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 |
| 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 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 5 | 5 | 0 | 0 |
| | 5 | 5 | 5 | 5 | 8 | 8 | 8 | 8 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 0 | 0 | 9 | 9 | 0 | 0 |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 7 | 7 |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Degeneration | 4 | 4 | 3 | 3 | 4 | | 4 | 3 | 4 | | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 |
| Ovary | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy | 4 | 4 | 4 | 3 | 3 | | 4 | 4 | 4 | | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 |
| Cyst | | | | 2 | 3 | 4 | | | | | | | | 3 | | | | 2 | 2 | | | | |
| Cyst, Multiple | | 4 | | | | | | | | | | | | | | | | | | | | | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Autolysis | | | | | | | | | | | | | | | | | | | | | | | |
| Edema | | | | | | | | | | | | | | | | | | | | | | | |
| Endometrium, Hyperplasia, Cystic Lumen, Dilatation | 3 | 3 | 3 | 2 | 3 | 2 | | 2 | 2 | | 2 | 3 | 2 | 3 | 3 | 4 | 4 | 4 | 3 | 3 | 2 | 4 | 3 |
| | | | | | | | 4 | | | | | | | | | | | | | | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibrosis | | | | | | | | | | | | | | | | | | | 2 | | | | |
| Hyperplasia | 3 | | | | | | | | | | 4 | | | | | | 2 | 2 | | | | | |
| Lymph Node | + | | | | + | + | | | A | | + | + | | + | | | + | + | | | + | | + |
| Lumbar, Hyperplasia, Lymphoid | | | | | | | | | | | 3 | | | | | | | | 2 | | | | |
| Lumbar, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | 3 | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| DAY ON TEST | C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
CONTROL WATER | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 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 | | | |
| 1 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 9 | 3 | 1 | 3 | 3 | 5 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 0 | 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 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 3 | 6 | 4 | 6 | 6 | 4 | 6 | 6 | 6 | 0 | 6 | 6 | 6 | 6 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 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 | 0 | | |
| | 5 | 5 | 5 | 5 | 8 | 8 | 8 | 8 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 9 | 9 | 9 | 9 | 5 | 5 | 5 | 5 | 7 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | | | |

Galactocele
 Lactation
 Alveolus, Hyperplasia

2

3
 4

Skin

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

MUSCULOSKELETAL SYSTEM

Bone, Femur
 Fibro-Osseous Lesion

+
 2

NERVOUS SYSTEM

Brain, Brain Stem
 Compression

+ + + + + + + + + A + + + + + + + + + + + + + + + + + +
 2 2

Brain, Cerebellum

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

Brain, Cerebrum
 Mineralization

+ + + + + + + + + A + + + + + + + + + + + + + + + + + +
 1 2 2 1 1 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1

RESPIRATORY SYSTEM

Lung
 Autolysis
 Hemorrhage
 Infiltration Cellular, Histiocyte
 Infiltration Cellular, Lymphocyte
 Inflammation, Chronic Active

+ + + + + + + + + A + + + + + + + + + + + + + + + + + +
 4 2 2 2 3 3 2 2 3 2

Nose

+ +

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as:
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 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
CONTROL WATER | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------------|----------------------|
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Hyaline Droplet
 Inflammation, Chronic Active

2 1 1 1 1 1 2 1 1 1

Trachea

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SPECIAL SENSES SYSTEM

Eye
 Cataract
 Cornea, Inflammation, Chronic Active
 Cornea, Ulcer

+ + + + + + + + A + + + + + + + + + + + + + + +
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 4

Harderian Gland
 Infiltration Cellular, Lymphocyte

+ + + + + + + + A + + + + + + + + + + + + + + +
 1 2 1

Lacrimal Gland
 Infiltration Cellular, Lymphocyte

URINARY SYSTEM

Kidney
 Amyloid Deposition
 Autolysis
 Hyaline Droplet
 Infiltration Cellular, Histiocyte
 Infiltration Cellular, Lymphocyte
 Nephropathy

+ + + + + + + + A + + + + + + + + + + + + + + +
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 1 1 1 4 1

Urinary Bladder
 Infiltration Cellular, Lymphocyte

+ + + + + + + + A + + + + + + + + + + + + + + +
 2 1 1 1 1 1 1 1 1 1 2 1 1 1 1

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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TDMS No. 20116 - 04
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 Aloe vera whole leaf extract (native)
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 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
CONTROL WATER | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
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ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|-----|---|-----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 45 | | | | |
| Gallbladder | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | 42 | | | | |
| Intestine Large, Ascending Colon
Goblet Cell, Hyperplasia | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | 43 | 1 | 1.0 | | |
| Intestine Large, Cecum
Hyperplasia, Lymphoid
Goblet Cell, Hyperplasia | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | 42 | 1 | 1.0 | 1 | 1.0 |
| Intestine Large, Descending Colon | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | 43 | | | | |
| Intestine Large, Rectum | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | 43 | | | | |
| Intestine Large, Transverse Colon
Goblet Cell, Hyperplasia | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | 42 | 2 | 1.0 | | |
| Intestine Small, Duodenum | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | 43 | | | | |
| Intestine Small, Ileum | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | 42 | | | | |
| Intestine Small, Jejunum | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | 42 | | | | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | 45 | | | | |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | | | |

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TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

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

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 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
CONTROL WATER | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------|--|---|
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| Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active
Mixed Cell Focus
Necrosis
Pigmentation
Tension Lipidosis
Vacuolization Cytoplasmic
Oval Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | 10
6
1
3
1
7
12
1 | 1.8
1.7

2.3
2.0
1.6
1.5
3.0 |
| Mesentery
Fat, Hemorrhage
Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | 6
1
6 |
4.0
2.8 |
| Oral Mucosa | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Pancreas
Infiltration Cellular, Lymphocyte
Vacuolization Cytoplasmic
Acinus, Degeneration | | | | | | | | | | | | | | | | | | | | | | | 42
11
1
1 |
1.5
1.0
4.0 |
| Salivary Glands
Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | 43
29 |
1.6 |
| Stomach, Forestomach
Keratin Cyst | | | | | | | | | | | | | | | | | | | | | | | 43
1 | |
| Stomach, Glandular
Cyst | | | | | | | | | | | | | | | | | | | | | | | 43
1 |
2.0 |

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
CONTROL WATER | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-----|-----|
| | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0750 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | | | | | |
| ANIMAL ID | 00732 | 00733 | 00734 | 00741 | 00742 | 00743 | 00744 | 00751 | 00752 | 00753 | 00754 | 00761 | 00762 | 00763 | 00764 | 00771 | 00772 | 00773 | 00774 | 00781 | 00782 | 00783 | 00784 | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 45 | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | 45 | |
| Cardiomyopathy | | | | | | | 1 | | | | | | | | | | | | | | | | | 4 | 1.3 |
| Mineralization | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | 1.0 |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | 44 | | |
| Vacuolization Cytoplasmic | | | | | | 2 | 4 | | | | | | | | | | | | | | 2 | | | 4 | 2.5 |
| Subcapsular, Hyperplasia | 2 | 2 | 2 | 1 | 2 | 2 | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 43 | 2.0 | |
| Adrenal Medulla | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | 44 | | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Islets, Pancreatic | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | 42 | | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Parathyroid Gland | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | A | + | + | M | + | + | + | 42 | | |
| Pituitary Gland | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | 43 | | |
| Pars Distalis, Hyperplasia | | | | | | | 2 | | | | | | | | 1 | 3 | | | | | | 1 | 7 | 1.6 | |
| Thyroid Gland | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | 43 | | |
| Ectopic Thymus | | | | | | | X | | | | | | | | | | | | | | | | 2 | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | 1 | | | | | | | 3 | 1.3 | |
| Follicle, Degeneration | | | | | | | | | | | | | | | | | | | | | | 1 | 6 | 1.5 | |
| Follicular Cell, Hyperplasia | | | | | | | 2 | | | | | | | | | | | | | | | | 3 | 3.0 | |
| Follicular Cell, Hypertrophy | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
CONTROL WATER | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 5 | 7 | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 7 | 3 | 2 | 3 | 5 | 3 | |
| | 6 | 6 | 6 | 6 | 6 | 6 | 0 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 4 | 6 | 6 | 6 | 4 | 6 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | |
| | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | |
| | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------|------------|------------|
| Clitoral Gland Degeneration | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | 44 | | | |
| | 4 | 4 | 4 | 4 | 4 | 4 | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | 4 | 4 | 4 | 4 | 4 | 4 | | 43 | 3.9 | |
| Ovary Atrophy | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | 44 | | | |
| | 4 | 4 | 4 | 4 | 4 | 4 | | 4 | 4 | 4 | | 4 | 4 | 4 | 4 | | 4 | 4 | 4 | | | 4 | | 40 | 3.9 | |
| Cyst | | | | | | 2 | | | | | | 4 | 3 | 3 | 4 | | | | | | 3 | 4 | 4 | | 14 | 3.1 |
| Cyst, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 |
| Uterus Autolysis | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | | | |
| | | | | | | | | | | | | | | | | 4 | | | | | | | | 1 | 4.0 | |
| Edema | | | | | | | | | | | | 4 | | | | | | | | | | | | 1 | 4.0 | |
| Endometrium, Hyperplasia, Cystic Lumen, Dilatation | 2 | 2 | 3 | 4 | 3 | 4 | | 4 | 2 | 3 | 3 | 4 | 2 | 2 | 2 | | 4 | 3 | 3 | 4 | 3 | 4 | | 43 | 3.0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------|------------|
| Bone Marrow Fibrosis | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | 43 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Hyperplasia | | | | | | 2 | | | | | | 3 | | | | | | | | | 2 | | | 7 | 2.6 |
| Lymph Node Lumbar, Hyperplasia, Lymphoid | | | | | | | | | | | | | + | + | | + | | | | | | | 14 | | |
| | | | | | | | | | | | | | 2 | | | | | | | | | | | 3 | 2.3 |
| Lumbar, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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TDMS No. 20116 - 04
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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
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 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
CONTROL WATER | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|--------|
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| ANIMAL ID | 0
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2 | | |
| Lumbar, Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | 2 | 2 2.5 |
| Renal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | 3 | 2 2.5 |
| Renal, Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | 2 2.0 |
| Lymph Node, Mandibular Hyperplasia, Lymphoid | M | + | + | + | + | + | A | + | + | + | + | + | + | + | A | + | + | + | + | + | 43 | 11 1.8 |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | 2 | 1 2.0 |
| Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | 1 | 2 2.0 |
| Lymph Node, Mesenteric Angiectasis | | | | | | | | | | | | | | | | | | | | | | 43 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | 2 | 1 4.0 |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | 1 | 10 2.0 |
| Spleen Fibrosis, Stromal | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | 3 | 3 3.1 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | 4 | 2 2.7 |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | 3 2.0 |
| Thrombus | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Thymus Atrophy | | | | | | | | | | | | | | | | | | | | | | 41 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | 2 | 3 2.3 |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Mammary Gland | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | 44 |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
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 Aloe vera whole leaf extract (native)
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 Lab: NCTR

| DAY ON TEST | C57BL/6N XC3H/HEN MTV-NCTR MICE 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 | | |
| CONTROL WATER | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 7 | 3 | 2 | 3 | 5 | 3 | 3 | 3 | 3 | |
| | 6 | 6 | 6 | 6 | 6 | 6 | 0 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 4 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 6 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | |
| | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | |
| | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
| Galactocele | 2 | | | | | | | | | | | | | | | | | | | | | 1 2.0 | | | |
| Lactation | | | | | | | | | | | | | | | | | | | | | | 2 2.0 | | | |
| Alveolus, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | 4 2.3 | | | |
| Skin | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 44 | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Fibro-Osseous Lesion | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | | | |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain, Brain Stem | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | 43 |
| Compression | | | | | | | | | | | | | | | | | | | | | | 2 2.0 | | | |
| Brain, Cerebellum | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | 43 |
| Brain, Cerebrum | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | 43 |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | 24 1.2 | | | |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Autolysis | | | | | | | | | | | | | | | | | | | | | | 1 4.0 | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | 2 3.0 | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | 5 2.4 | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | 4 1.8 | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | 2 2.5 | | | |
| Nose | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | 45 |

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 Lab: NCTR

| DAY ON TEST | C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE | | | | | | | | | | | | | | | | | | | | ANIMAL ID | | |
|--------------------------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------------|--------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 |
| CONTROL WATER | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 5 | 7 | 7 | 0 | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 7 | 3 | 2 | 3 | 5 | 3 | 0 | |
| | 6 | 6 | 6 | 6 | 6 | 6 | 0 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 4 | 6 | 6 | 4 | 6 | 6 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 0 | |
| | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 1 | 1 | 1 | 1 | 2 | 2 | 0 | |
| | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 0 | |
| | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
| Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | | 2 1 | 12 1.3 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Trachea | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | 44 | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | M | + | + | + | A | + | + | + | A | + | + | + | + | A | + | + | + | + | + | 42 | |
| Cataract | | | | | | | | | | | | | | | | | | | | | | | 2 1.0 |
| Cornea, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Cornea, Ulcer | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Harderian Gland | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | A | + | + | + | + | + | 43 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | 6 1.2 |
| Lacrimal Gland | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | A | + | + | + | + | + | 44 | |
| Amyloid Deposition | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Autolysis | | | | | | | | | | | | | | | | | | | | | | | 4 4.0 |
| Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | | | 3 3.0 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Infiltration Cellular, Lymphocyte | 1 | 1 | 2 | | 2 | | | 1 | 2 | | 2 | | 2 | 2 | | | 1 | | 2 | 3 | 1 | 22 1.5 | |
| Nephropathy | | | | | | | | | | | | | | | | | | | | | | | 5 1.6 |
| Urinary Bladder | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | A | + | + | + | + | + | 43 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | 22 1.2 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| DAY ON TEST | C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females (cont...) |
|-----------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|-------------------|
| | 0736 | 0736 | 0546 | 0736 | 0650 | 0776 | 0776 | 0776 | 0776 | 0529 | 0776 | 0638 | 0638 | 0638 | 0776 | 0776 | 0668 | 0776 | 0776 | 0776 | 0573 | 0776 | 0573 | 0776 | | |
| ALOEWOLLEAF 1.0 | 00131 | 00132 | 00133 | 00134 | 00141 | 00142 | 00143 | 00144 | 00151 | 00152 | 00153 | 00154 | 00161 | 00162 | 00163 | 00164 | 00171 | 00172 | 00173 | 00174 | 00181 | 00182 | 00183 | 00184 | 00191 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + |
| Intestine Large, Ascending Colon
Goblet Cell, Hyperplasia | + | + | 2 | 1 | 1 | + | + | A | + | 1 | + | + | 1 | 2 | + | + | A | + | 2 | + | A | 1 | 1 | + | + |
| Intestine Large, Cecum | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + |
| Intestine Large, Descending Colon
Goblet Cell, Hyperplasia | + | + | + | + | + | + | + | A | + | + | + | + | + | 1 | 2 | + | + | A | + | + | + | A | 1 | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + |
| Intestine Large, Transverse Colon
Goblet Cell, Hyperplasia | + | 1 | + | 1 | + | 1 | + | A | + | 1 | + | + | + | 1 | 2 | + | + | A | 1 | 2 | + | A | 1 | 1 | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + |
| Liver | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + |
| Clear Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cytomegaly | | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | 1 | | | | | | 1 | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | females
(cont...) |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|
| | 0736 | 0736 | 0756 | 0776 | 0786 | 0776 | 0776 | 0776 | 0776 | 0776 | 0776 | 0776 | 0776 | 0776 | 0776 | 0776 | 0776 | 0776 | 0776 | 0776 | |
| ANIMAL ID | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 |
| Inflammation, Chronic Active Necrosis | 1 | | | | | | | | | | | | | | | | | | | | 1 |
| Tension Lipidosis | | | 1 | | 1 | | | | | | | | | | | | | | | 2 | |
| Vacuolization Cytoplasmic Bile Duct, Hyperplasia | | | | | | 3 | | | | 2 | | 2 | 2 | 1 | 1 | | | | | | 1 |
| Mesentery Fat, Necrosis | | | | | | | | + | | + | + | | | | | | + | | | | |
| Pancreas Infiltration Cellular, Lymphocyte | | | | | | | | 3 | | 3 | | 4 | | | | | | | | | |
| Vacuolization Cytoplasmic Acinus, Degeneration | | | | | | | | | | | | | | | | | | | | | |
| Pancreas Infiltration Cellular, Lymphocyte | + | + | + | + | + | + | + | | A | + | + | + | + | + | + | + | + | A | + | + | + |
| Vacuolization Cytoplasmic Acinus, Degeneration | | | | | | | | | | 1 | | | | | | | | | | | 1 |
| Salivary Glands Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach Keratin Cyst Epithelium, Hyperplasia | + | + | + | + | + | + | + | | A | + | + | + | + | + | + | + | + | A | + | + | + |
| Stomach, Glandular Inflammation, Chronic Active Epithelium, Hyperplasia | 2 | 1 | | | | 2 | 1 | 2 | | | | | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | A |
| | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:08

First Dose M/F: 04/19/05 / 04/19/05

Lab: NCTR

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWOLLEAF 1.0 | DAY ON TEST | 0
7
3
6 | 0
7
3
6 | 0
5
4
6 | 0
7
3
6 | 0
6
5
0 | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
5
2
2 | 0
7
6
9 | 0
7
3
6 | 0
7
8
6 | 0
7
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6 | 0
7
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6 | 0
6
8
6 | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
5
4
3 | 0
7
3
6 | females
(cont...) |
| | ANIMAL ID | 0
0
1
3
1 | 0
0
1
3
2 | 0
0
1
3
3 | 0
0
1
3
4 | 0
0
1
4
1 | 0
0
1
4
2 | 0
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3 | 0
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4 | 0
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3 | 0
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4 | 0
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3 | 0
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4 | 0
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5
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3 | 0
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2
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4 | 0
0
2
5
1 | 0
0
2
7
2 | 0
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7
3 | 0
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7
4 | |

Cardiomyopathy

1 1

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | |
| Vacuolization Cytoplasmic | | | | | | 3 | 2 | | | | | | | | | | | | | | | | | 2 | |
| Subcapsular, Hyperplasia | 2 | 2 | 1 | 2 | 2 | 2 | 2 | | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | | 2 | 2 | 2 | | 1 | 1 | | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | A | M | + | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | |
| Hyperplasia | | | 2 | | 2 | | | | | | | | 1 | | 2 | | | | | | | | | | |
| Parathyroid Gland | + | + | + | + | + | + | + | M | A | + | + | + | + | M | + | + | + | M | A | + | + | M | + | M | + |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland | + | + | + | + | + | + | + | + | A | M | + | + | + | M | M | + | + | + | A | + | + | + | A | + | + |
| Pars Distalis, Hyperplasia | | | | 1 | | | | | | | | 1 | | | | | | | 2 | 1 | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + |
| Cyst | | | | | | | 2 | | | | | | | | | | | | | | | | | | |
| Ectopic Thymus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | |
| Follicle, Degeneration | | | | | 3 | | | | | | | | 1 | | | | 1 | | | | 1 | 1 | | | |
| Follicular Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |

GENERAL BODY SYSTEM

NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
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 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | 0
7
3
6 | 0
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6 | 0
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6 | 0
6
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0 | 0
7
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GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland
Degeneration | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | A | + | + | |
| | 4 | 3 | 3 | 4 | 4 | 2 | 4 | 4 | 4 | | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 2 | 4 | 4 | 4 | 4 | 4 | 2 | |
| Ovary
Atrophy
Autolysis
Cyst | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | |
| | 4 | 4 | | 4 | 4 | 4 | 4 | 4 | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | | 4 | |
| | 3 | | 4 | | 2 | | 4 | | | 4 | | | | 2 | | | | 2 | 3 | 2 | 4 | 4 | | | |
| Uterus
Hydrometra
Thrombus
Endometrium, Hyperplasia, Cystic | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | | |
| | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | | 2 | 3 | 3 | 4 | 3 | 3 | 3 | 4 | 3 | | 3 | 3 | 2 | 2 | 2 | 3 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow
Hyperplasia | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node
Axillary, Infiltration Cellular, Polymorphonuclear
Lumbar, Infiltration Cellular,
Polymorphonuclear | | | | | + | | | | | + | | | M | + | | | + | + | | | | + | + | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular
Amyloid Deposition
Hyperplasia, Lymphoid
Infiltration Cellular, Lymphocyte
Infiltration Cellular, Plasma Cell | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | | | | | | | | | | | | 1 | 2 | | 2 | | | 1 | | | 2 | 1 | |
| | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 2 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
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TDMS No. 20116 - 04
 Test Type: CHRONIC
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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
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 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | | |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|------------------|------------------|
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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 | 001132 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001133 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001134 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001135 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001136 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001137 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001138 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001139 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001140 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001141 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001142 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001143 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001144 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001145 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001146 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001147 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001148 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001149 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001150 | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lymph Node, Mesenteric
Amyloid Deposition
Hemorrhage
Hyperplasia, Lymphoid
Infiltration Cellular, Plasma Cell | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | 2 |
| Spleen
Amyloid Deposition
Hematopoietic Cell Proliferation
Hyperplasia, Lymphoid
Pigmentation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 3 |
| Thymus
Amyloid Deposition
Atrophy
Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | A | + | + | + | + | + | M | + | + | + | + | + | + | + | + | 2 |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland
Alveolus, Hyperplasia | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | 2 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone, Femur
Fibro-Osseous Lesion | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | 3 |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:08

First Dose M/F: 04/19/05 / 04/19/05

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 |
|--|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------------|
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 1.0 | ANIMAL ID | 7 | 7 | 5 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 |
| | | 3 | 3 | 4 | 3 | 5 | 3 | 3 | 3 | 2 | 6 | 3 | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | 3 | 3 | 0 | 4 | 4 | 3 | 3 |
| | | 6 | 6 | 6 | 6 | 0 | 6 | 6 | 6 | 2 | 9 | 6 | 6 | 9 | 6 | 6 | 6 | 6 | 6 | 8 | 6 | 6 | 6 | 6 | 3 | 6 | 6 | 6 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | |
| | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 7 | 7 | 7 | 7 | 8 | 8 | | |
| | 1 | 2 | 3 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain, Brain Stem
Compression | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | 1 |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Brain, Cerebrum
Mineralization | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| | | | 2 | | 1 | 2 | | 1 | 1 | | | | 1 | 1 | 1 | | 1 | 1 | 1 | | | | 1 | 1 | 1 | | 1 |
| Peripheral Nerve | | | | + | | | | | | | | | | | | | | | | | | | | | | | |
| Spinal Cord | | | | + | | | | | | | | | | | | | | | | | | | | | | | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung
Hemorrhage | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Histiocyte | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Metaplasia, Osseous | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | |
| Nose
Hyaline Droplet | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | |

SPECIAL SENSES SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | | | | | |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|------------------|------------------|---|---|--|
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6 | 0
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6 | 0
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6 | 0
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6 | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | | | 0
5
4
3 | 0
7
3
6 | | | |
| Eye
Phthisis Bulbi | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | |
| Harderian Gland
Infiltration Cellular, Lymphocyte
Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | |
| | | | | 1 | 1 | | | | | | | | | | | | | | | | | | 1 | | | | |
| | | | | | | | | | | 2 | | | | | 1 | | | | | | | | | | | | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney
Amyloid Deposition
Cyst, Multiple
Hyaline Droplet
Infiltration Cellular, Lymphocyte
Nephropathy
Pelvis, Dilatation
Pelvis, Mineralization
Transitional Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder
Infiltration Cellular, Lymphocyte | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | |
| | 1 | 1 | | | | 2 | | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 | | | | | 1 | | 1 | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------|
| | 0601 | 0728 | 0738 | 0645 | 0736 | 0577 | 0776 | 0676 | 0655 | 0676 | 0773 | 0773 | 0776 | 0776 | 0776 | 0473 | 0733 | 0736 | 0776 | 0668 | | 0776 |
| ANIMAL ID | 00282 | 00288 | 00284 | 00417 | 00442 | 00444 | 00444 | 00444 | 00444 | 00444 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00999 | 00999 | 00999 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43 |
| | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 9 | 9 | 43 |
| | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 1 | 1 | 1 | 15 |
| | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 1.2 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 46 |
| Gallbladder | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 43 |
| Intestine Large, Ascending Colon
Goblet Cell, Hyperplasia | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 43 |
| | | | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 15 |
| Intestine Large, Cecum | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 43 |
| Intestine Large, Descending Colon
Goblet Cell, Hyperplasia | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 43 |
| | | | | | | | | | | | | | | | | | | | | 1 | | | 4 |
| Intestine Large, Rectum | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 43 |
| Intestine Large, Transverse Colon
Goblet Cell, Hyperplasia | A | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 42 |
| | | | | 1 | | | 2 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | 1 | | | 18 |
| Intestine Small, Duodenum | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 43 |
| Intestine Small, Ileum | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 43 |
| Intestine Small, Jejunum | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 43 |
| Liver | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 44 |
| Clear Cell Focus | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Cytomegaly | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Infiltration Cellular, Lymphocyte | | | | 1 | | | | | | | | 1 | | | 1 | | 2 | | | | | | 6 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
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 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

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Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

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Time Report Requested: 14:39:08

First Dose M/F: 04/19/05 / 04/19/05

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|--------|-------|
| | 0601 | 0728 | 0736 | 0645 | 0737 | 0576 | 0776 | 0766 | 0655 | 0766 | 0773 | 0773 | 0773 | 0773 | 0773 | 0473 | 0773 | 0773 | 0773 | 0676 | | 0773 | | |
| ANIMAL ID | 00282 | 00283 | 00284 | 00281 | 00287 | 00284 | 00284 | 00284 | 00281 | 00288 | 00288 | 00288 | 00281 | 00281 | 00281 | 00283 | 00283 | 00283 | 00284 | 00281 | 00282 | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | 4 | 5 2.2 | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | 3 | 2 3.5 | |
| Tension Lipidosis | | | | | | | | | | | | | | | | | | | | | | 2 | 5 1.4 | |
| Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | 1 | 14 1.8 | |
| Bile Duct, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | 2 | 1 2.0 | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | 8 | |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | 3 | 8 3.1 | |
| Pancreas | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 43 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | 2 | 4 1.3 | |
| Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | 1 | 2 2.0 | |
| Acinus, Degeneration | | | | | | | | | | | | | | | | | | | | | | 2 | 1 2.0 | |
| Salivary Glands | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 43 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | 1 | 31 1.3 | |
| Stomach, Forestomach | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 44 |
| Keratin Cyst | | | | | | | | | | | | | | | | | | | | | | | X | 1 |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 2.0 |
| Stomach, Glandular | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 44 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 1.0 |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | 3 | 1 3.0 |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 47 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 46 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS 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: 04/19/05 / 04/19/05

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------|------------|
| | 06
00
01 | 07
02
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07
06 | | |
| ANIMAL ID | 00282 | 00228 | 00228 | 00447 | 00447 | 00447 | 00447 | 00447 | 00447 | 00447 | 00666 | 00666 | 00666 | 00666 | 00666 | 00111 | 00111 | 00333 | 00333 | 00333 | 00444 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 |

Cardiomyopathy

2 1.0

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|---------------|
| Adrenal Cortex
Vacuolization Cytoplasmic
Subcapsular, Hyperplasia | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 43 | 4 2.3 |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 3 | 2 | 2 | 2 | 2 | 2 | | 2 | 2 | 1 | 3 | | 43 1.9 |
| Adrenal Medulla | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 42 | |
| Islets, Pancreatic
Hyperplasia | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 43 | 5 1.8 |
| Parathyroid Gland
Cyst | A | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | A | M | + | + | + | 37 | 1 1.0 |
| Pituitary Gland
Pars Distalis, Hyperplasia | A | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | M | + | + | + | 38 | 8 1.4 |
| Thyroid Gland
Cyst | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 43 | 1 2.0 |
| Ectopic Thymus | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Infiltration Cellular, Lymphocyte
Follicle, Degeneration | | | 1 | | | | | 1 | | | | 2 | 1 | | | | | 1 | | | | 1 | | 10 1.3 |
| Follicular Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | 2 | | 1 2.0 |

GENERAL BODY SYSTEM

NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|-------|-------|
| | 0601 | 0728 | 0736 | 0744 | 0753 | 0773 | 0776 | 0776 | 0765 | 0776 | 0777 | 0777 | 0777 | 0777 | 0777 | 0747 | 0773 | 0773 | 0777 | 0777 | | 0668 | 0773 | 0776 | 0776 | 0776 |
| ANIMAL ID | 00282 | 00228 | 00228 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 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 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 9 | 9 | 9 | 9 | 9 |
| | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 4 | 1 | 1 | 1 | 1 | 1 |
| | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 3 | 4 | 1 | 2 | 3 | 4 | 4 | 4 |

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|-----|
| Clitoral Gland Degeneration | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | 44 | | |
| | | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | | 4 | 4 | 4 | 4 | 4 | 44 | 3.8 |
| Ovary Atrophy | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | | |
| | | 4 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | 4 | 4 | 4 | 4 | 4 | 39 | 3.9 |
| Ovary Autolysis | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 | |
| Ovary Cyst | | | | | | 2 | | 2 | | | | | 4 | 2 | 4 | | | | | | 4 | | | 3 | | 18 | 3.1 | |
| Uterus Hydrometra | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | 45 | | |
| | | 4 | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 | |
| Uterus Thrombus | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Uterus Endometrium, Hyperplasia, Cystic | | 3 | 3 | 1 | 2 | 3 | 4 | 3 | 4 | 3 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | | | 3 | 1 | 2 | 2 | 2 | 44 | 2.8 | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Bone Marrow Hyperplasia | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | 43 | |
| | | 2 | | | | | | | | | | | | | | | | | | | | | | | | 5 | 2.8 |
| Lymph Node Axillary, Infiltration Cellular, Polymorphonuclear | + | + | + | | | | | | + | | + | + | | | | | | | | | + | | + | | | 15 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Lymph Node Lumbar, Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Lymph Node, Mandibular Amyloid Deposition | A | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | A | + | + | + | + | + | 44 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Lymph Node Hyperplasia, Lymphoid | | | | | | 2 | | | | 1 | 1 | | | | | | | | | | | | | 2 | | 13 | 1.5 |
| Lymph Node Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Lymph Node Infiltration Cellular, Plasma Cell | | | | | | 3 | | | | | | | | | | | | | | | | | | | | 2 | 2.5 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------|
| | 0601 | 0708 | 0708 | 0708 | 0708 | 0708 | 0708 | 0708 | 0708 | 0708 | 0708 | 0708 | 0708 | 0708 | 0708 | 0708 | 0708 | 0708 | 0708 | 0708 | | 0708 |
| ANIMAL ID | 00282 | 00283 | 00284 | 00281 | 00282 | 00283 | 00284 | 00281 | 00282 | 00283 | 00284 | 00281 | 00282 | 00283 | 00284 | 00281 | 00282 | 00283 | 00284 | 00281 | 00282 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--------|--------|
| Lymph Node, Mesenteric
Amyloid Deposition | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | 45 | 1 2.0 | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | 2 | | 1 2.0 | |
| Hyperplasia, Lymphoid
Infiltration Cellular, Plasma Cell | | | | | | | | | | | 2 | | | | 2 | | | | | | 2 | 2 | | 12 1.8 | |
| | | | | | | 3 | | | | | | | | | | | | | | | | | | 2 2.5 | |
| Spleen
Amyloid Deposition | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 46 | 1 3.0 |
| Hematopoietic Cell Proliferation | | | | 1 | 2 | | | | 3 | 2 | | | | | | | | 2 | 3 | | | 4 | 3 | | 13 2.8 |
| Hyperplasia, Lymphoid
Pigmentation | | | 2 | 2 | 2 | 1 | | | | | | 3 | 4 | 3 | | | 3 | 3 | | 2 | | 3 | 2 | | 23 2.5 |
| | | | | | | 2 | | | | | | | | | | | | 2 | | | | | | | 4 2.0 |
| Thymus
Amyloid Deposition | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 44 | 1 2.0 | |
| Atrophy | | | | | | | | | 3 | | | | | | 1 | | | 3 | | 2 | | | | 14 2.4 | |
| Hyperplasia, Lymphoid | | | | | 1 | | | | | | | | | 2 | 2 | | | | | | | | | 7 1.9 | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| Mammary Gland
Alveolus, Hyperplasia | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 43 | 3 1.7 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 46 | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| Bone, Femur
Fibro-Osseous Lesion | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 46 | 1 3.0 |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | 2 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE 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 | 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 |
| | | 6 | 7 | 7 | 6 | 7 | 5 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 6 |
| | | 0 | 2 | 3 | 4 | 3 | 7 | 3 | 3 | 4 | 3 | 0 | 0 | 3 | 3 | 3 | 0 | 3 | 3 | 2 | 3 | 6 | 6 | 3 | 6 | 3 | 3 | 6 |
| | | 1 | 8 | 6 | 5 | 6 | 7 | 6 | 6 | 5 | 6 | 3 | 3 | 6 | 6 | 6 | 0 | 6 | 6 | 7 | 6 | 8 | 6 | 6 | 6 | 6 | 6 | 6 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | | 8 | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|--|-----------|-----------|------------|--|
| Brain, Brain Stem
Compression | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | | | | | 44 | 1 | 1.0 | |
| Brain, Cerebellum | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | | | | | 44 | | | |
| Brain, Cerebrum
Mineralization | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | | | | | 44 | 30 | 1.1 | |
| Peripheral Nerve | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Spinal Cord | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|--|-----------|-----------|------------|------------|
| Lung
Hemorrhage | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | | | | | 45 | 1 | 4.0 | |
| Infiltration Cellular, Histiocyte | | | | | 2 | | 2 | | | | | | | | | | | | | 3 | | | | | | | | | | 4 | 2.0 |
| Infiltration Cellular, Lymphocyte | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1.5 |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | 1 | 1.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | 1 | 1.0 |
| Nose
Hyaline Droplet | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | | | | | 44 | 12 | 1.2 | |
| Trachea | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | | | | | 44 | | | |

SPECIAL SENSES SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
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 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------|---|---|----|----------------|--|
| | 0601 | 0728 | 0738 | 0745 | 0757 | 0773 | 0776 | 0766 | 0775 | 0776 | 0776 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | | 0777 | | | | | |
| ANIMAL ID | 00282 | 00022 | 00022 | 00044 | 00044 | 00077 | 00077 | 00088 | 00088 | 00111 | 00111 | 00111 | 00111 | 00111 | 00111 | 00111 | 00111 | 00111 | 00111 | 00111 | 00111 | | | | | | |
| Eye
Phthisis Bulbi | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 43 | 1 4.0 | |
| Harderian Gland
Infiltration Cellular, Lymphocyte
Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | A | + | + | + | + | 43 | 5 1.0
2 1.5 | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 43 | 1 4.0 | |
| Amyloid Deposition | | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 | |
| Cyst, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 | |
| Hyaline Droplet | | | | | | | | | | | | | 3 | | | | | | | | | | | | | 1 3.0 | |
| Infiltration Cellular, Lymphocyte | | | 1 | | | 1 | | 1 | 1 | | | | | 1 | | | 2 | 1 | | 2 | | | 1 | 1 | | 23 1.1 | |
| Nephropathy | | | | | 1 | | | | | | | | | 1 | | 1 | | | | | | | 2 | | | 6 1.7 | |
| Pelvis, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Pelvis, Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Transitional Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Urinary Bladder | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 43 | 22 1.0 | |
| Infiltration Cellular, Lymphocyte | | 1 | 1 | 1 | | 1 | | | | | 1 | | | | | | | | 1 | 1 | | | 1 | 1 | | 22 1.0 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
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 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
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 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | | |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|------------------|------------------|
| | 0
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1 | 0
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6 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00112234 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00112234 | |
| | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 2234 | |
| | 1 | 2 | 2 | 3 | 4 | 1 | 2 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | |
| Gallbladder | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | |
| Intestine Large, Ascending Colon
Goblet Cell, Hyperplasia | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | |
| | | | | | 1 | | | | | 2 | 1 | | | | | | 2 | | 1 | 1 | | 2 | | |
| Intestine Large, Cecum
Goblet Cell, Hyperplasia | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | |
| | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Intestine Large, Descending Colon
Goblet Cell, Hyperplasia | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | |
| | | | | | | | | | | 1 | | | | | | | 2 | | | | | | | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | A | + | + | + | M | + | + | + | + | + | + | + | + | + | |
| Intestine Large, Transverse Colon
Goblet Cell, Hyperplasia | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | |
| | | | | | 1 | | | | | 1 | | | | | | | 2 | 1 | 1 | 1 | 1 | | 2 | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | A | + | + | + | M | + | + | + | + | + | + | + | + | + | |
| Intestine Small, Ileum
Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | |
| | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | |
| Liver
Basophilic Focus
Infiltration Cellular, Lymphocyte | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | 1 | | | | | 1 | 2 | 2 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) | |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
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| ANIMAL ID | 0
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2 | 0
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3 | 0
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1 |
| Inflammation, Chronic Active
Mixed Cell Focus | 1 | | | | | | | | | | | | | | | | | | 1 | | | | | | 2 |
| Necrosis | | | | | | | | | | | | | | | | | | | X | | | | | | |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tension Lipidosis | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| Vacuolization Cytoplasmic
Parenchyma, Degeneration | 1 | | | | | | | 2 | 1 | | 2 | | 1 | | | | | | | | 4 | | | | 1 |
| Mesentery | | | + | + | | + | + | | | | | | | + | + | | | | + | | | | | | + |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Infiltration Cellular, Lymphocyte | | | 3 | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | 4 | | | | | | | | | | | | | | | | | | |
| Fat, Necrosis | | | 4 | 2 | | 2 | 4 | | | | | 4 | 4 | | | | 2 | | | | | | | | 3 |
| Pancreas | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | 2 | | | | 1 | 1 |
| Acinus, Degeneration | | | | | | | 1 | | | | | | | | | | | | | | | | | 1 | 1 |
| Duct, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | 2 | | | | 1 | 1 |
| Stomach, Forestomach
Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Glandular
Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 2 |

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | | | |
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6 |
| Blood Vessel | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Heart | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Vacuolization Cytoplasmic
Subcapsular, Hyperplasia | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | | 2 | 2 | 2 | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | A | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | M | + | + | + | + | + | + | + | + |
| Thrombus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Pars Distalis, Hyperplasia | 2 | | | | | | | | 1 | | | | | | | | | | | 2 | | 2 | 3 | | 1 |
| Pars Intermedia, Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | 2 | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS 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: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------------|-----------|----------------------|
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0
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1 | | |

Infiltration Cellular, Lymphocyte
 Inflammation, Chronic Active
 Follicle, Degeneration
 Follicular Cell, Hyperplasia

1 1 1 1 1 1 3

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Clitoral Gland
Degeneration | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | 4
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4
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3 |
| Ovary
Atrophy
Cyst
Cyst, Multiple
Hemorrhage | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | 4
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4 |
| Uterus
Angiectasis
Thrombus
Endometrium, Hyperplasia, Cystic | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | 3
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HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow
Hyperplasia | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | 3 |
| Lymph Node | | | | | | | | | | | + | A | + | + | A | | | | | | | | | | + | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as:
 X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate
 I .. Insufficient tissue BLANK .. Not examined microscopically 2) Mild 4) Marked

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Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:08

First Dose M/F: 04/19/05 / 04/19/05

Lab: NCTR

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------------------|---|
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE

ALOEWOLLEAF 2.0 | 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 | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | | 7 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 3 | 3 | | 3 |
| 6 | 6 | 6 | 6 | 6 | 6 | 7 | 6 | 6 | 2 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 1 | 6 | 5 | 6 | 6 | |
| 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 | |
| | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | 2 | 2 | 2 | 2 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | |

Lumbar, Hyperplasia, Lymphoid
 Lumbar, Infiltration Cellular, Plasma Cell

3

Lymph Node, Mandibular
 Hyperplasia, Lymphoid
 Infiltration Cellular, Polymorphonuclear

+ + + + + + + + A + + + A + + + + + + + + +
 2 2 2 1 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3

Lymph Node, Mesenteric
 Angiectasis
 Hyperplasia, Lymphoid

+ + + + + + + + A + + + M + M + + + + + + + + +
 2 2 2 2 1 2 2 2 2 1 2 2 1 2 1 2 1 2 1 2 1 2 1

Spleen
 Hematopoietic Cell Proliferation
 Hyperplasia, Lymphoid
 Necrosis
 Pigmentation

+ + + + + + + + A + + + A + + + + + + + + + + +
 1 4 2 4 3 2 2 3 2 4 4 2 2 2 2 2 2 2 2 2 2 2 2

Thymus
 Atrophy
 Hyperplasia, Lymphoid

+ + + + + + + + A + + + A + + + + + + + + + + M +
 1 2 3 1 2 2 2 1 1 1 3 4 4 1 3 4 4 1 3 4 4 1 3

INTEGUMENTARY SYSTEM

Mammary Gland
 Galactocele
 Infiltration Cellular, Lymphocyte
 Lactation
 Alveolus, Hyperplasia

+ + + + + + + + A + + + A + + + + + + + + + + + + +
 2

Skin

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

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
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| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------------|-----------|----------------------|
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Fat, Necrosis 3

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibro-Osseous Lesion | | | | 1 | | | | | | | | | | | 2 | | | | | | | | |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | |
| Diaphragm, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain, Brain Stem | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Compression | | | | | | | | | | | | | | | | | | | | | | | |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Mineralization | 1 | | | 1 | | 1 | | | | | 1 | | | | 2 | | 1 | 1 | 2 | | | 1 | 1 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Autolysis | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | 1 | | | 3 | | | | | | | | | | | | | | | | | | | 1 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) | | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--|--|
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6 | | | |
| ANIMAL ID | 0
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4 | 0
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1 | 0
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4 | 0
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1 | 0
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2 | 0
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3 | | |
| Hyaline Droplet | 1 | 1 | 1 | | | 1 | | | | | | | | | | | | | 1 | 1 | | 1 | 1 | | 1 | | |
| Trachea | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | | |
| Cataract | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | | |
| Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | 1 | 2 | | | 1 | 1 | 1 | | | | | 1 | | | | | 1 | 1 | 1 | | 1 | | 2 | | | |
| Metaplasia, Osseous | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Nephropathy | | | | | | | | | | | | | | | | | | 1 | | | | | | 1 | | | |
| Pelvis, Dilatation | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | | | |
| Infiltration Cellular, Lymphocyte | | 1 | 2 | | 1 | | | | | | | | | | 1 | | 1 | 1 | | 1 | | 2 | 2 | 1 | | | |
| Lumen, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

| DAY ON TEST | C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|-------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|
| | 0736 | 0736 | 0736 | 0661 | 0668 | 0776 | 0776 | 0776 | 0776 | 0576 | 0676 | 0776 | 0776 | 0576 | 0776 | 0776 | 0668 | 0776 | 0668 | 0676 | | 0676 | 0676 |
| ANIMAL ID | ALOEWOLLEAF 2.0 | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
| 005222 | 00523 | 00524 | 00061 | 00062 | 00063 | 00064 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | | 00067 | 00067 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|-----|-----|
| Esophagus | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | | | |
| Gallbladder | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | 44 | | | |
| Intestine Large, Ascending Colon
Goblet Cell, Hyperplasia | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | 44 | 20 | 1.3 | |
| Intestine Large, Cecum
Goblet Cell, Hyperplasia | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | 44 | 2 | 1.5 | |
| Intestine Large, Descending Colon
Goblet Cell, Hyperplasia | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | 44 | 7 | 1.4 | |
| Intestine Large, Rectum | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | 44 | | | |
| Intestine Large, Transverse Colon
Goblet Cell, Hyperplasia | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | 44 | 23 | 1.3 | |
| Intestine Small, Duodenum | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | 44 | | | |
| Intestine Small, Ileum
Hyperplasia, Lymphoid | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | 44 | 1 | 3.0 | |
| Intestine Small, Jejunum | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | 44 | | | |
| Liver
Basophilic Focus
Infiltration Cellular, Lymphocyte | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | 1 | 6 | 1.7 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-------|--------|
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4 | | |
| Inflammation, Chronic Active
Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | | | 1 | 4 1.3 | |
| Necrosis | | | | | | | | | | 2 | | | | 4 | | | | | | | | | | | 2 3.0 |
| Pigmentation | | | | | | | | | | | | | | | | | | | | 2 | | | | | 1 2.0 |
| Tension Lipidosis | | | | | | | | | | | | | | | | | | 1 | | | | | | | 2 1.0 |
| Vacuolization Cytoplasmic
Parenchyma, Degeneration | | | | | | | 1 | | | | | | | | 2 | 1 | | | | 2 | 1 | 2 | | | 12 1.4 |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | 9 |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 8 3.1 |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | | | | 44 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | 13 1.2 |
| Acinus, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Duct, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | | | | 44 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | 31 1.4 |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | | | | 45 |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Stomach, Glandular | | | | | | | | | | | | | | | | | | | | | | | | | 45 |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 3 2.3 |

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:08

First Dose M/F: 04/19/05 / 04/19/05

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|------|-----|
| | 0736 | 0736 | 0736 | 0661 | 0668 | 0776 | 0777 | 0777 | 0777 | 0777 | 0566 | 0677 | 0677 | 0566 | 0777 | 0777 | 0666 | 0677 | 0666 | 0677 | | 0777 | 0777 | |
| ANIMAL ID | 00522 | 00523 | 00524 | 00661 | 00662 | 00663 | 00664 | 00667 | 00668 | 00671 | 00672 | 00677 | 00678 | 00771 | 00772 | 00773 | 00774 | 00779 | 00783 | 00784 | 00791 | 00792 | | |
| Blood Vessel | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | | | 1 | | 3 | 1.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | 44 | |
| Vacuolization Cytoplasmic Subcapsular, Hyperplasia | | | | | | | | | | 4 | | | | | | | | | | | | | 1 | 4.0 |
| | 2 | 3 | 2 | 2 | | 2 | 2 | 2 | 2 | | | 2 | 2 | 2 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 43 | 2.0 |
| Adrenal Medulla | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | 44 | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | 1.0 |
| Islets, Pancreatic | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | 44 | |
| Hyperplasia | | | | 2 | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Parathyroid Gland | + | + | + | + | A | M | M | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | 42 | |
| Cyst | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | 1.0 |
| Pituitary Gland | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | M | M | + | + | + | 41 | |
| Thrombus | | | | | | | | | | | | | 3 | | | | | | | | | | 1 | 3.0 |
| Pars Distalis, Angiectasis | | | | | | | | | | | | | | | | | 2 | | | | | | 1 | 2.0 |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Pars Distalis, Hyperplasia | | | | | | | | | | | | | | 4 | 1 | | | | | | 4 | 2 | 10 | 2.2 |
| Pars Intermedia, Angiectasis | | | | | | | | | | | | | | | | | | | | | | 3 | 1 | 3.0 |
| Thyroid Gland | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | 44 | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|--|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | |
| ANIMAL ID | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | | |
| | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 3 | 3 | 6 | 3 | 3 | 6 | 3 | 5 | 3 | 3 | 3 | |
| | 6 | 6 | 6 | 1 | 8 | 6 | 6 | 6 | 6 | 8 | 0 | 6 | 6 | 7 | 6 | 6 | 8 | 6 | 5 | 6 | 6 | 6 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | |
| | 2 | 2 | 2 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | |
| | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 2 | 4 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|---|--|---|--|--|--|--|--|---|---|-----|-----|
| Infiltration Cellular, Lymphocyte | 1 | | | | | | | | | | | | | | | | | | | | | 1 | 2 | 1.0 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Follicle, Degeneration | | | | | | | | | | | | | | 1 | | 2 | | | | | | 1 | | 9 | 1.3 |
| Follicular Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|-----|
| Clitoral Gland | + | + | M | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 44 | | |
| Degeneration | 4 | 4 | | 4 | | 3 | 4 | 4 | 4 | 4 | 4 | 4 | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 43 | 3.9 | |
| Ovary | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | | |
| Atrophy | 4 | 4 | 4 | 3 | | 4 | 4 | 4 | 4 | | 4 | 4 | 4 | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 40 | 3.9 | |
| Cyst | 4 | 4 | | | | | 1 | 4 | 4 | | | | | | 3 | 2 | | 3 | | | 1 | 4 | | 12 | 3.0 | |
| Cyst, Multiple | | | | | | | | | | | 2 | | | | | | | | | | | | | 2 | 2.0 | |
| Hemorrhage | | | | | | | | | | | | | | | | | | 2 | | | | | | 1 | 2.0 | |
| Uterus | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | 44 | | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Thrombus | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Endometrium, Hyperplasia, Cystic | 3 | 2 | 3 | 4 | | 2 | 4 | 2 | 4 | 4 | | 2 | 4 | 4 | 3 | 3 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 43 | 3.1 | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Bone Marrow | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | 44 | |
| Hyperplasia | | | | | | | | | | | 3 | | | | | 2 | | | 2 | 2 | | | | 5 | 2.4 |
| Lymph Node | | | + | | + | | | | + | + | + | | | | | | | | | + | + | | | 12 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:08

First Dose M/F: 04/19/05 / 04/19/05

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
6
1
8 | 0
6
3
6 | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
5
7
8 | 0
6
3
0 | 0
7
3
6 | 0
7
3
6 | 0
5
6
7 | 0
7
3
6 | 0
6
3
8 | 0
7
3
6 | 0
6
5
5 | 0
7
3
6 | 0
7
3
6 | |
| ANIMAL ID | 0
0
5
2
2 | 0
0
5
2
3 | 0
0
5
2
4 | 0
0
6
9
1 | 0
0
6
9
2 | 0
0
6
9
3 | 0
0
6
9
4 | 0
0
7
9
1 | 0
0
7
9
1 | 0
0
7
1
2 | 0
0
7
7
3 | 0
0
7
7
4 | 0
0
7
7
1 | 0
0
7
7
2 | 0
0
7
2
2 | 0
0
7
2
3 | 0
0
7
2
4 | 0
0
9
2
1 | 0
0
9
3
3 | 0
0
9
4
4 | 0
0
9
4
2 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|---|---|-----|---|---|---|---|--|---|---|---|---|---|---|--|--|
| Lumbar, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | 2 | 1 | 2.0 | | | | | | | | | | | | | | | | |
| Lumbar, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | 2 | 2 | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | 1 | 2 | 3 | 1 | 2.0 | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | + | + | + | M | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 43 | | | | | | | | | | | | | | | | | | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | 1 | | 2 | | 1 | | 3 | | 2 | | | | | | | | | | |
| Spleen | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | | | | | | | | | | | | | | | | | | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | | | 3 | 4 | | 3 | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | | 4 | | 2 | | 3 | 4 | | 3 | 3 | 4 | 3 | | | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thymus | + | + | + | + | + | + | + | + | + | A | + | + | M | + | + | + | + | + | + | + | 43 | | | | | | | | | | | | | | | | | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | 4 | | 3 | | | | 2 | 4 | | | | | 1 | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | 2 | | | | 2 | 2 | | | 2 | | | | | 2 | | 2 | 2 | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--|--|---|---|--|--|--|---|--|--|--|--|--|--|--|--|--|
| Mammary Gland | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | 44 | | | | | | | | | | | | | | | | | |
| Galactocele | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | |
| Lactation | | | | | | | | | | | | | | | | | | | | | 2 | | | | 2 | | | | | | | | | | | | | |
| Alveolus, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| Skin | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | 45 | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
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TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:08

First Dose M/F: 04/19/05 / 04/19/05

Lab: NCTR

| DAY ON TEST | C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE | | | | | | | | | | | | | | | | | | | | * 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 | 6 | 6 | 7 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | |
| 3 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 3 | 3 | 6 | 3 | 3 | 6 | 3 | 5 | 3 | 3 | 3 | |
| 6 | 6 | 6 | 6 | 1 | 8 | 6 | 6 | 6 | 6 | 8 | 0 | 6 | 6 | 7 | 6 | 6 | 8 | 6 | 5 | 6 | 6 | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | |
| 2 | 2 | 2 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | |
| 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | |

Fat, Necrosis

1 3.0

MUSCULOSKELETAL SYSTEM

Bone, Femur
 Fibro-Osseous Lesion

+ 48
 2 1.5

Skeletal Muscle
 Diaphragm, Inflammation, Chronic Active

2
 1 4.0

NERVOUS SYSTEM

Brain, Brain Stem
 Compression

+ + + + A + + + + + A + + + + + + + + + + + + 44
 3 2 2.5

Brain, Cerebellum

+ + + + A + + + + + A + + + + + + + + + + + + 44

Brain, Cerebrum
 Mineralization

+ + + + A + + + + + A + + + + + + + + + + + + 44
 2 1 1 1 2 1 1 1 1 1 1 1 2 24 1.2

RESPIRATORY SYSTEM

Lung
 Autolysis
 Infiltration Cellular, Histiocyte
 Infiltration Cellular, Lymphocyte
 Mineralization
 Alveolar Epithelium, Hyperplasia

+ + + + + + + + + + A + + + + + + + + + + + + 46
 1 4.0
 3 1.7
 2 2.0
 1 1.0
 4 2 3.0

Nose

+ + + + A + + + + + + + + + + + + + + + + + 45

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20116 - 04
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Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 2.0 | 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 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 6 | | 7 | 7 |
| | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 3 | 3 | 6 | 3 | 3 | 6 | 3 | 5 | 3 | 3 | 3 | |
| | 6 | 6 | 6 | 1 | 8 | 6 | 6 | 6 | 6 | 8 | 0 | 6 | 6 | 7 | 6 | 6 | 8 | 6 | 5 | 6 | 6 | 6 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | |
| | 2 | 2 | 2 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | |
| | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | |
| | | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
| Hyaline Droplet | 1 | 1 | 1 | | | | | | | | | | | 2 | 2 | 1 | | | | 1 | 1 | 17 1.1 | |
| Trachea | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | 44 | |
| Cataract | | | | | | | | | | | | | | 1 | | | | | | | | 2 1.0 | |
| Harderian Gland | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | 44 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | 1 | | | | | | 1 | | 1 | | 1 | | | | 5 1.0 | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | |
| Hyaline Droplet | | | | | | | | | | | | | | 3 | | | | | | | | 1 3.0 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | 2 | 1 | | 1 | | | 1 | 1 | | 2 | | 1 | 1 | 22 1.2 |
| Metaplasia, Osseous | 2 | 2 | | | | | | | | | | | | | | | | | | | | | 3 1.7 |
| Nephropathy | 1 | 2 | | 1 | | | 1 | | | | | | | | | | | | 1 | | | | 7 1.1 |
| Pelvis, Dilatation | | | | | | | | | | | | | | 3 | | | | | | | | | 2 3.5 |
| Urinary Bladder | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | 44 | |
| Infiltration Cellular, Lymphocyte | 2 | | 1 | 1 | | 2 | 1 | | 2 | | | | | | | | | 1 | 2 | 1 | 1 | 1 | 22 1.3 |
| Lumen, Dilatation | | | | | | | | | | | | | | 3 | | | | | | | | | 1 3.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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TDMS No. 20116 - 04

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First Dose M/F: 04/19/05 / 04/19/05

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 | ANIMAL ID | females (cont...) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-------------------|
| C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE ALOEWOLLEAF 3.0 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 5 | 3 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | | | | |
| | 3 | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 6 | 8 | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | | | |
| | 6 | 6 | 1 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 6 | 2 | 5 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 2 | 6 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | | | |
| | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 3 | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cyst, Multiple | | | | | | | | 4 | | | | | | | | | | | | | | | | | | |
| Eosinophilic Focus | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | 1 | 1 | | | | 1 | 1 | | | | | 3 | | | | | | 1 | | | | |
| Inflammation, Chronic Active | | | | | | 1 | | | | | | | | | | | | | | | | 2 | | | | |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | | | | | | | | | | | | | | | | 4 | | | 4 | | | | | | | |
| Tension Lipidosis | | | | | | | | | | | | | | | | 2 | | | | | | 1 | | | | |
| Vacuolization Cytoplasmic | | | | | | 1 | | | 2 | | | 2 | | | | 2 | | | | | | 2 | | | | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | | + |
| Fat, Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Fat, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Cyst | | | | | | 2 | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Infiltration Cellular, Lymphocyte | 1 | | | 2 | 2 | 1 | | | 1 | | | | | | 2 | | 3 | | | | | | 1 | | | |
| Duct, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | | 2 | 2 | | 1 | 2 | 1 | 2 | 2 | | 1 | | | | 1 | 1 | 2 | | | 2 | 2 | | | 2 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | 2 | | | | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Erosion | | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia | | | | | 2 | | 1 | | | | | | | | | | | | | | | 2 | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

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| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------------|
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 3.0 | 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 | 0 | females
(cont...) |
| | | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 5 | 3 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | | |
| | | 3 | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 6 | 8 | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | | |
| | 6 | 6 | 1 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 6 | 2 | 5 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 2 | 6 | | |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | | |
| | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 3 | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | | | |

CARDIOVASCULAR SYSTEM

Blood Vessel

+ +

Heart

+ +

ENDOCRINE SYSTEM

Adrenal Cortex

+ +

Vacuolization Cytoplasmic
Subcapsular, Hyperplasia

2 2 2 2 2 2 2 2 3 2 2 2 1 1 3 2 2 2 2 3 1 1 2 1

Adrenal Medulla

+ +

Pigmentation

2

Islets, Pancreatic

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

Hyperplasia

2

Parathyroid Gland

+ + M + M + + + + + + + + + A + M + + + + M + + +

Infiltration Cellular, Lymphocyte

2

Pituitary Gland

+ +

Pars Distalis, Angiectasis

2

Pars Distalis, Cyst

1

Pars Distalis, Hyperplasia

2

2

2

2

Thyroid Gland

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

Infiltration Cellular, Lymphocyte

1

1

1

2

Inflammation, Suppurative

1

Follicle, Degeneration

2

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST
C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWOLLEAF 3.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 5 | 3 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 4 | 7 |
| | 3 | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 6 | 8 | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | 3 | 8 | 3 |
| | 6 | 6 | 1 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 6 | 2 | 5 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 2 | 6 | 6 | 6 | 6 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 |
| | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 3 | 3 | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | |

females
(cont...)

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland Degeneration | + | + | M | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | 4 | | | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | | 4 | | 3 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Ovary Atrophy | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | 3 | 4 | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 2 | 4 | 2 | | 4 | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Cyst, Multiple | 3 | | | 2 | | 2 | | | | | | 4 | | | | | | | 4 | | | | | | | | |
| Uterus Autolysis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |
| Hydrometra | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Endometrium, Hyperplasia, Cystic | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | | 3 | 2 | 3 | 2 | | | 2 | 3 | 3 | 2 | 3 | 3 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | 2 | | | | | | | | | | 2 | | | | | | |
| Lymph Node Iliac, Hyperplasia, Lymphoid | | | | | + | + | | | | | + | + | | + | | | | | + | + | | | + | | | | + |
| | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | 2 |
| Iliac, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | 2 |
| Iliac, Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | 2 |
| Lumbar, Hemorrhage | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | 2 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------------|----------------------|
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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 | 0 | 0
0
0
1
1 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|
| Lumbar, Hyperplasia, Lymphoid | 2 | | | | 2 | | | | 1 | | | | 2 | | | | | | | | | | | | | | | |
| Lumbar, Sinus, Dilatation | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| Renal, Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | | | | |
| Hyperplasia, Lymphoid | 2 | | | | 2 | | | | 4 | | | | 3 | | | | 1 | | | | 3 | | | | 2 | | | |
| Lymph Node, Mesenteric | + | + | M | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | | | | |
| Hemorrhage | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | 1 | | | | | | | | 2 | | | | 1 | | | | 2 | | | | 1 | | | | | | | |
| Sinus, Dilatation | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | | | | |
| Depletion Lymphoid | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hematopoietic Cell Proliferation | 3 | | | | 2 | | | | 4 | | | | 3 | | | | 2 | | | | 4 | | | | 2 | | | |
| Hyperplasia, Lymphoid | 3 | | | | 2 | | | | 4 | | | | 2 | | | | 3 | | | | 3 | | | | 2 | | | |
| Pigmentation | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | | | | |
| Atrophy | 4 | | | | | | | | 2 | | | | 1 | | | | 1 | | | | 2 | | | | 3 | | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | |
| Hyperplasia, Lymphoid | 1 | | | | 2 | | | | 1 | | | | 2 | | | | 2 | | | | 1 | | | | 2 | | | |
| Epithelial Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | | | | | | | 2 | | | | | | | | | | | | | | | |
| Alveolus, Hyperplasia | | | | | | | | | | | | | 2 | | | | | | | | 2 | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:08

First Dose M/F: 04/19/05 / 04/19/05

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|
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6 | 0
7
3
6 | 0
4
8
2 | 0
7
3
6 | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone, Femur
Fibro-Osseous Lesion | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain, Brain Stem
Compression | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | |
| Brain, Cerebellum
Infiltration Cellular, Lymphocyte | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | |
| Brain, Cerebrum
Infiltration Cellular, Lymphocyte
Mineralization | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | |
| | | | 1 | 1 | | 1 | 1 | | 1 | | 1 | | 1 | | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | | 1 | 1 | | |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lung
Congestion
Infiltration Cellular, Histiocyte
Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active
Alveolar Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | |
| | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | |
| | | | 1 | | | | | | 1 | | 2 | | | | | | | | | 2 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Nose
Hyaline Droplet | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| | 1 | 2 | 2 | 2 | | | | | 2 | | | | | | 2 | | 1 | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 3.0 | 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 | females
(cont...) |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|
| | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 5 | 3 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | | | |
| | 3 | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 6 | 8 | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | 0 | | |
| | 6 | 6 | 1 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 6 | 2 | 5 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 2 | 6 | 0 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 0 | | |
| | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 3 | 0 | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 0 | | |

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

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Harderian Gland
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | 2 | | | 1 | | | | | | | | | | | | | | | | | | 1 | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Amyloid Deposition | | | | 4 | | | | | | | | | | | | | | | | | | | | 3 |
| Autolysis | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 1 | | | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | | | 1 | | 1 | 1 | | | | 2 | 1 | |
| Metaplasia, Osseous | | | | | | | 1 | | | | | | | | | | | | 2 | | | | | |
| Nephropathy | | | 4 | | | | | | | | | | | 1 | | | | | | | | | 1 | 2 |
| Polyarteritis | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | 2 | 2 | | 2 | 2 | 1 | | | 1 | 1 | 1 | 1 | 1 | | | 2 | | | 1 | 1 | | 1 | 1 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
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TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| | 0736 | 0736 | 0032 | 0682 | 0555 | 0776 | 0556 | 0688 | 0731 | 0771 | 0776 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | |
| ANIMAL ID | 0036 | 0033 | 0036 | 0035 | 0035 | 0035 | 0035 | 0035 | 0035 | 0035 | 0035 | 0035 | 0035 | 0035 | 0035 | 0035 | 0035 | 0035 | 0035 | 0035 | 0035 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 3 | 3 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| | 6 | 6 | 6 | 3 | 3 | 3 | 3 | 3 | 6 | 6 | 6 | 9 | 9 | 9 | 5 | 5 | 5 | 5 | 7 | 7 | 7 |
| | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|-----|
| Esophagus | + | + | A | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | A | + | + | 44 | | |
| Gallbladder | + | + | A | + | A | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 41 | | |
| Intestine Large, Ascending Colon
Goblet Cell, Hyperplasia | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 43 | 25 | 1.7 |
| Intestine Large, Cecum
Goblet Cell, Hyperplasia | + | + | A | + | A | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 42 | 2 | 1.5 |
| Intestine Large, Descending Colon
Goblet Cell, Hyperplasia | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 43 | 17 | 1.6 |
| Intestine Large, Rectum | + | M | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 42 | | |
| Intestine Large, Transverse Colon
Goblet Cell, Hyperplasia | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 43 | 26 | 1.7 |
| Intestine Small, Duodenum | + | + | A | + | A | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 42 | | |
| Intestine Small, Ileum
Hyperplasia, Lymphoid | + | + | A | + | A | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 42 | 1 | 3.0 |
| Intestine Small, Jejunum | + | + | A | + | A | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 42 | | |
| Liver
Autolysis
Basophilic Focus | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | 46 | 1 | 4.0 |
| | | | X | | | | | 4 | | | | | | | | | | | | X | | | 4 | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:08

First Dose M/F: 04/19/05 / 04/19/05

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------|-----|
| | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | | 0736 | |
| ANIMAL ID | 00362 | 00363 | 00364 | 00365 | 00366 | 00367 | 00368 | 00369 | 00370 | 00371 | 00372 | 00373 | 00374 | 00375 | 00376 | 00377 | 00378 | 00379 | 00380 | 00381 | 00382 | | |
| Cyst, Multiple | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 | |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Hematopoietic Cell Proliferation | | | | | | | | 1 | | | | | | | | | | | | 1 | | 2 | 1.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | 2 | | 1 | | | | | 2 | 1.4 |
| Inflammation, Chronic Active | | | | | | | 1 | | | | | | | 1 | | | | | | 1 | | | 1.2 |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | X | | 1 |
| Necrosis | | | | | | | | | | | | | | | | | | | | | 2 | | 3.3 |
| Tension Lipidosis | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | 1.2 |
| Vacuolization Cytoplasmic | 2 | 2 | | | | | | | | | | 1 | | | 2 | | 2 | 1 | 2 | 2 | 1 | 1 | 1.7 |
| Mesentery | | | | | | | | | + | | | | | | | | | | | + | | 3 | |
| Fat, Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | 4.0 |
| Fat, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | 4.0 |
| Fat, Necrosis | | | | | | | | 4 | | | | | | | | | | | | 3 | | | 3.5 |
| Pancreas | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 43 |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | 2.0 |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | 4.0 |
| Infiltration Cellular, Lymphocyte | 2 | 1 | | | | | 1 | | | | | | 2 | | 2 | | | | 1 | | 1 | | 1.5 |
| Duct, Dilatation | | | | | | | | | | | | | | | | | | | | | | | 4.0 |
| Salivary Glands | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 43 |
| Infiltration Cellular, Lymphocyte | 1 | 1 | | | | | 2 | | | | | 1 | 2 | 1 | 1 | | 1 | 1 | | 2 | 2 | 2 | 1.5 |
| Stomach, Forestomach | + | + | A | + | A | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 42 |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | 2.0 |
| Stomach, Glandular | + | + | A | + | A | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 42 |
| Erosion | | | | | | | | | | | | | | | | | | | | | | | 2.0 |
| Epithelium, Hyperplasia | | | | | | | | | | | 2 | | | | | | | | | | | | 1.8 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| DAY ON TEST | C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE | | | | | | | | | | | | | | | | | | | | * TOTALS |
|-------------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | |
| ANIMAL ID | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------|
| Blood Vessel | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 44 | |
| Heart | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | 44 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-------------------------------|
| Adrenal Cortex | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 44 | |
| Vacuolization Cytoplasmic Subcapsular, Hyperplasia | 2 | 2 | | 2 | 2 | 3 | 2 | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | 2 | 1 | 44 | 1 2.0
44 2.0 |
| Adrenal Medulla Pigmentation | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 44 | 1 2.0 |
| Islets, Pancreatic Hyperplasia | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 43 | 2 2.0 |
| Parathyroid Gland Infiltration Cellular, Lymphocyte | + | + | A | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | A | + | + | 40 | 1 2.0 |
| Pituitary Gland Pars Distalis, Angiectasis | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 44 | 1 2.0 |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | | | | | | 3 | | | 2 2.0 |
| Pars Distalis, Hyperplasia | | 2 | | 1 | | | | | | 2 | 2 | | 1 | | | | 2 | 2 | | | | | | 11 1.8 |
| Thyroid Gland Infiltration Cellular, Lymphocyte | + | + | A | + | + | + | + | M | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 43 | 6 1.2 |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | 1 | | | | 1 | | 1 1.0 |
| Follicle, Degeneration | | | | | | | | | | 1 | 1 | | | | | | 1 | 1 | | 2 | | | | 6 1.3 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
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| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | |
| ANIMAL ID | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 |
| | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|-----|-----|
| Clitoral Gland Degeneration | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 42 | | | |
| | 4 | 4 | | 4 | 3 | 4 | 2 | | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | 4 | 4 | | 40 | 3.8 | |
| Ovary Atrophy | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | 44 | | | |
| | 4 | 4 | | 4 | 2 | 4 | 2 | | | 4 | 4 | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | 4 | 4 | | 39 | 3.8 | |
| Cyst | 2 | 4 | | | | | | | | | | | 3 | | | | | | 2 | | | | | 9 | 2.7 | |
| Cyst, Multiple | | | | | | | | | | | | | | | | 4 | | | | | | | | 2 | 4.0 | |
| Uterus Autolysis | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | | | |
| | | | | | | | | | | | | | | | | | | | | | 4 | | | 1 | 4.0 | |
| Hydrometra | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 | |
| Thrombus | | | | | | | | | | | | | | | | | | | | | 4 | | | 1 | 4.0 | |
| Endometrium, Hyperplasia, Cystic | 4 | 2 | | 3 | 3 | 4 | 2 | | | 3 | 2 | 4 | 2 | 2 | 3 | 2 | 2 | 4 | 4 | 2 | 4 | 3 | 2 | | 43 | 2.9 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|---|-----|
| Bone Marrow Hyperplasia | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | 43 | | |
| | | | | | | | | | | | | | 2 | | | | | | | | | | | | 3 | 2.0 |
| Lymph Node Iliac, Hyperplasia, Lymphoid | | | | + | | + | | + | | | | | | | | + | | | | | | + | 13 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Iliac, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Iliac, Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Lumbar, Hemorrhage | | | | | | | 2 | | | | | | | | | | | | | | | | | | 2 | 2.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
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MICE FEMALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------|
| | 0
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| ANIMAL ID | 0
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4 | 0
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4 | 0
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4 | 0
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7
1 | 0
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8
7
2 | 0
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8
7
3 | 0
0
8
7
4 | |
| Lumbar, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | 2 | 5 1.8 | | |
| Lumbar, Sinus, Dilatation | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | | |
| Renal, Hemorrhage | | | | | | | | | | | | | | | | | | | | | 4 | 1 4.0 | | |
| Renal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | 3 | 1 3.0 | | |
| Lymph Node, Mandibular
Hyperplasia, Lymphoid | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 43 | 14 2.1 |
| Lymph Node, Mesenteric
Hemorrhage | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 42 | 2 3.0 |
| Hyperplasia, Lymphoid | 1 | 2 | | 2 | | | | | | | | 1 | 1 | 3 | 1 | 1 | 2 | | 1 | 2 | | | 16 | 1.5 |
| Sinus, Dilatation | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Spleen | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | 44 | 1 3.0 |
| Depletion Lymphoid | | | | | | | | | | | | | | | | | | | | | | | 12 | 2.7 |
| Hematopoietic Cell Proliferation | 2 | | | | | | | | | | | 4 | 2 | | | | | 2 | | | | | 24 | 3.1 |
| Hyperplasia, Lymphoid | 3 | 4 | | | | | | | | 4 | 3 | | 4 | 3 | 2 | | 3 | 4 | 3 | | 3 | | 5 | 2.2 |
| Pigmentation | | | | | 2 | | | | | | | | 2 | | | | | | | | | | | |
| Thymus | + | + | A | + | + | + | + | M | A | + | + | + | M | M | + | + | + | + | + | A | + | + | 41 | 10 2.5 |
| Atrophy | | | | 4 | | | 3 | | | | | | | | | | | | | | | | 1 | 2.0 |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | 12 | 1.8 |
| Hyperplasia, Lymphoid | 2 | 2 | | | | | | | | | | | | 2 | 2 | | | | | | | | 1 | 3.0 |
| Epithelial Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Mammary Gland | + | + | A | + | + | + | + | A | M | + | + | + | + | + | + | + | + | + | + | A | + | + | 44 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Alveolus, Hyperplasia | | | | 3 | | | | | | | | | | | | | | | | | | | 3 | 2.3 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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 I .. Insufficient tissue
 M .. Missing tissue
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Aloe vera whole leaf extract (native)

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MICE FEMALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|---|--------|
| | 0736 | 0736 | 0702 | 0662 | 0552 | 0756 | 0565 | 0681 | 0771 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | | | |
| ANIMAL ID | 0036 | 0033 | 0033 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | | | |
| Skin | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 44 |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Bone, Femur | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | 46 |
| Fibro-Osseous Lesion | | | | | | | | | | | | | | | 4 | | | | | | | | 1 4.0 |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Brain, Brain Stem | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 43 |
| Compression | | | | | | | | | | | | | | | | | | | | | | 2 | 1 2.0 |
| Brain, Cerebellum | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 43 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | 1 | | | | | | | | | | | 1 1.0 |
| Brain, Cerebrum | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 43 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | 1 | | | | | | | | | | | 1 1.0 |
| Mineralization | 1 | 1 | | 1 | 1 | | | | | | | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 2 | | 27 1.0 |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Lung | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | 44 |
| Congestion | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | 3 1.7 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | 1 | | | | 1 1.0 |
| Nose | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | 45 |
| Hyaline Droplet | | | | | 1 | | | | 1 | | | | | | | | | | | | | | 9 1.6 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
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MICE FEMALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | 0
7
3
6 | 0
7
3
6 | 0
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3
6 | 0
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8
2 | 0
5
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5 | 0
7
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6 | 0
5
8
5 | 0
6
8
1 | 0
7
3
1 | 0
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6 | 0
7
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6 | 0
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9 | 0
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6 | |
| ANIMAL ID | 0
0
3
6
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1 | 0
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8
7
4 |
| Trachea | + | + | A | + | + | + | + | M | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 43 |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | A | + | A | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 42 |
| Harderian Gland | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 43 |
| Hyperplasia | 2 | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | 1 | | | 1 | | | | | | | | | | | | | 5 1.2 |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | 44 |
| Amyloid Deposition | | | | | | | | | | | | | | | | | | | | | | | 2 3.5 |
| Autolysis | | | | | | | | | | | | 4 | | | | | | | | | | | 1 4.0 |
| Hyaline Droplet | | | | | | | | | | | | 3 | | | | | | | | | | | 1 3.0 |
| Infiltration Cellular, Lymphocyte | | | 1 | | | | 1 | 2 | | | | | | 2 | 2 | | 1 | 1 | 1 | | 2 | 1 | 2 2 |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | 27 1.5 |
| Nephropathy | | | | | | | | | | | | | 1 | | | | | | | | | | 6 1.7 |
| Polyarteritis | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Urinary Bladder | + | + | A | + | + | + | + | A | A | M | + | + | + | + | + | + | + | + | + | A | + | + | 42 |
| Infiltration Cellular, Lymphocyte | 1 | 1 | | | | | 1 | | | | | | | | 1 | | 2 | 1 | 2 | | 1 | | 1 1 |

*** END OF REPORT ***

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked