

TDMS No. 99037 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
alpha/beta Thujone mixture
CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
Time Report Requested: 13:12:57
First Dose M/F: 06/30/03 / 06/30/03
Lab: SRI

F2_M3

C Number: C99037B
Lock Date: 11/20/2006
Cage Range: ALL
Date Range: ALL
Reasons For Removal: 25022 ACCK
25019 MSAC
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.2.0

25021 TSAC
25018 DACC

25020 NATD

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B6C3F1 MICE MALE 0 MG/KG	DAY ON TEST	0 7 3 1	0 6 4 9	0 5 6 8	0 7 7 1	0 7 2 9	0 7 2 9	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 1	0 7 3 1	0 7 3 8	0 7 3 0	0 7 3 0	0 7 3 1	0 7 3 0	0 7 3 1	0 7 3 0	0 7 3 1	0 7 3 1	0 7 3 1	males (cont...)	
	ANIMAL ID	0 0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5	0 0 0 0 6	0 0 0 0 7	0 0 0 0 8	0 0 0 0 9	0 0 0 0 0	0 0 0 0 1	0 0 0 0 1	0 0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5	0 0 0 0 6	0 0 0 0 7	0 0 0 0 8	0 0 0 0 9		0 0 0 0 0

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basophilic Focus						X																	
Clear Cell Focus							X			X	X	X					X						X
Eosinophilic Focus																X							
Hematopoietic Cell Proliferation																							
Inflammation, Chronic Active																							
Mixed Cell Focus				X	X	X				X				X	X			X	X				
Necrosis, Focal		3					4		1														
Necrosis, Diffuse																	2						
Hepatocyte, Vacuolization Cytoplasmic				3	3	2	3	3		3			3	3		3		2					
Mesentery						+						+											

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

Fat, Necrosis	3												2												
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Acinus, Cytoplasmic Alteration																									
Acinus, Hyperplasia, Focal																									
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infiltration Cellular, Lymphocyte																						3			
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic										1											3	1			
Ulcer																							2		
Epithelium, Hyperplasia										2				2							4	1	3		
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst																									
Erosion										2															
Epithelium, Hyperplasia														2											
Tongue																									

CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mineralization																								
Thrombosis																						4		

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Accessory Adrenal Cortical Nodule																						3		

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	0731	0734	0738	0731	0732	0739	0737	0737	0737	0737	0737	0737	0734	0737	0737	0737	0737	0737	0736	0737	0737	0737	0736	0737	0737			0737
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Hyperplasia, Focal																												
Hypertrophy, Focal				1		2				1			1					1										
Subcapsular, Hyperplasia					2							2					2								4			
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia					2							3				1		1			2							
Parathyroid Gland	+	+	+	M	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	
Pars Distalis, Cyst									3			3	3															
Pars Distalis, Hyperplasia, Focal																										3		
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Follicle, Degeneration, Focal						1				2	2			1														1

GENERAL BODY SYSTEM

Tissue NOS																												+
------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Penis																													+
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Cyst						3				3	3	3	3												3				
Inflammation, Chronic																													
						3						2	4			3												2	

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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			
DAY ON TEST		7	6	5	7	7	7	7	7	7	7	7	4	7	7	7	7	7	6	7	7	7	6	7	7	7			
		3	4	6	3	2	2	3	3	3	3	3	9	3	3	3	2	3	0	3	3	3	3	3	3	3			
		1	9	8	1	9	9	0	0	0	0	1	1	8	0	0	9	1	3	0	1	0	1	0	1				
B6C3F1 MICE MALE																													
0 MG/KG																													
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
ANIMAL ID		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
		0	0	0	0	0	0	0	0	0	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	2	2	2	2				
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4				

Prostate	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia		2								4	2	2	2	2		2		3	2			4	3		
Lymph Node	+		+										+												
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	M	+	+	+	+	+	+	+	+	+
Atrophy																									
Hyperplasia, Lymphoid										3	2	2													
Infiltration Cellular, Plasma Cell																							3		
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis																									
Atrophy																									
Hematopoietic Cell Proliferation																									
Hemorrhage			1									1	3					4				3			
Hyperplasia, Lymphoid						2																			
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic Cell Proliferation			3				1	2		3				3			3	3				4	2	3	
Lymphoid Follicle, Atrophy												2													
Lymphoid Follicle, Hyperplasia																									
Thymus	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+

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	0 MG/KG	3 1	4 9	6 8	3 1	2 9	2 9	3 0	3 0	3 0	3 1	3 1	9 8	3 0	3 0	3 0	2 1	3 3	3 3	0 0	3 1	3 3	3 1		3 3		
	ANIMAL ID	0 0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5	0 0 0 0 6	0 0 0 0 7	0 0 0 0 8	0 0 0 0 9	0 0 0 0 0	0 0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5	0 0 0 0 6	0 0 0 0 7	0 0 0 0 8	0 0 0 0 9	0 0 0 0 0	0 0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5	males (cont...)

Atrophy
 Cyst
 Hyperplasia, Lymphoid

3
3

2

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

MUSCULOSKELETAL SYSTEM

Bone Hyperostosis Cranium, Osteopetrosis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Skeletal Muscle																													+

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
-------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

RESPIRATORY SYSTEM

Lung Hemorrhage Alveolar Epithelium, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nose Inflammation, Chronic Respiratory Epithelium, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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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 MG/KG	7	6	5	7	7	7	7	7	7	7	7	4	7	7	7	7	6	7	7	7	6	7	7	0	
	3	4	6	3	2	2	3	3	3	3	9	3	3	3	2	3	0	3	3	3	3	3	3	0	
	1	9	8	1	9	9	0	0	0	1	1	8	0	0	0	0	0	1	3	0	1	0	1	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	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	2	2	2	2	0	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	0	males (cont...)
Trachea	+																								
SPECIAL SENSES SYSTEM																									
Eye	+																								
Atrophy																								4	
Harderian Gland	+																								
Hyperplasia, Focal																									
URINARY SYSTEM																									
Kidney	+																								
Cyst																								3	
Infarct																								3	
Infiltration Cellular, Lymphocyte																								3	
Metaplasia, Osseous																								2	
Nephropathy																								1 1 1 1 1 1 1 1 3 1 1 3 2 1 2 3 1 1	
Renal Tubule, Pigmentation																									
Urinary Bladder	+																								
Infiltration Cellular, Lymphocyte																								2 2	

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Table with columns for DAY ON TEST and ANIMAL ID, showing counts for B6C3F1 MICE MALE 0 MG/KG. The table includes numerical data for each animal and a final column for *TOTALS.

ALIMENTARY SYSTEM

Table showing findings for the ALIMENTARY SYSTEM across various organs like Esophagus, Gallbladder, Intestine Large, Intestine Small, and Liver. It includes symbols for findings and mean severity grades.

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B6C3F1 MICE MALE 0 MG/KG	DAY ON TEST	ANIMAL ID																				* TOTALS		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	
		7	7	7	6	7	6	7	5	7	7	5	7	7	7	7	7	4	7	7	7		7	7
		2	2	3	0	2	7	3	9	2	3	8	3	2	3	3	2	7	3	3	3	3	2	
		9	9	0	4	9	7	0	8	9	1	1	0	0	0	0	1	9	6	1	9	9	9	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	
		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	
																						3 2.3		
Fat, Necrosis																						2	3 2.3	
Pancreas		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Acinus, Cytoplasmic Alteration															3			3					2 3.0	
Acinus, Hyperplasia, Focal																		1					1 1.0	
Salivary Glands		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Infiltration Cellular, Lymphocyte															3				3				3 3.0	
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Inflammation, Chronic																					2		4 1.8	
Ulcer																							1 2.0	
Epithelium, Hyperplasia					4																2		7 2.6	
Stomach, Glandular		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Cyst				3																			1 3.0	
Erosion																		1					2 1.5	
Epithelium, Hyperplasia																							1 2.0	
Tongue																							1	
CARDIOVASCULAR SYSTEM																								
Heart		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Mineralization															1								1 1.0	
Thrombosis																							1 4.0	
ENDOCRINE SYSTEM																								
Adrenal Cortex		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Accessory Adrenal Cortical Nodule								3			3									3			4 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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

B6C3F1 MICE MALE 0 MG/KG	DAY ON TEST																								* TOTALS		
	0729	0729	0730	0730	0730	0730	0730	0730	0730	0730	0730	0730	0730	0730	0730	0730	0730	0730	0730	0730	0730	0730	0730	0730		0730	
ANIMAL ID	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050		
Hyperplasia, Focal	2																						1	1	5 1.6		
Hypertrophy, Focal		1	1				2			1				1	1			2						1	16 1.3		
Subcapsular, Hyperplasia						2			4	2											2	2	2		11 2.4		
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	49	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hyperplasia							3			4							2		3	3		1	2		12 2.3		
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	M	+	M	M	+	+	+	+	+	M	+	+	M	43	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	48	
Pars Distalis, Cyst																										4 3.0	
Pars Distalis, Hyperplasia, Focal									1																1 1.0		
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	49	
Follicle, Degeneration, Focal						2				1			3	1			1		2			1		2	13 1.5		
GENERAL BODY SYSTEM																											
Tissue NOS																										1	
GENITAL SYSTEM																											
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Penis																										1	
Preputial Gland	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Cyst				3																			3			12 3.0	
Inflammation, Chronic							2		2	2	3		2								2			2	13 2.5		

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 + .. 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. 99037 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
alpha/beta Thujone mixture
CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
Time Report Requested: 13:12:57
First Dose M/F: 06/30/03 / 06/30/03
Lab: SRI

B6C3F1 MICE MALE 0 MG/KG	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	* TOTALS	
		7	7	7	6	7	6	7	5	7	7	5	7	7	7	7	4	7	7	7	7	7	7	7	7		7
		2	2	3	0	2	7	3	9	2	3	8	3	2	3	3	2	7	3	2	2	3	3	3	2		
		9	9	0	4	9	7	0	8	9	1	1	0	9	0	1	9	6	1	9	9	1	1	1	9		
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	5		
		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9		
Prostate		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49		
Seminal Vesicle		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Testes		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
HEMATOPOIETIC SYSTEM																											
Bone Marrow		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Hyperplasia		2			2	2	2					3	3	3	2		3	2					2	3	23 2.5		
Lymph Node																									3		
Lymph Node, Mandibular		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	47		
Atrophy											3														1 3.0		
Hyperplasia, Lymphoid							3																1		5 2.2		
Infiltration Cellular, Plasma Cell																									1 3.0		
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	49		
Angiectasis																2									1 2.0		
Atrophy									3																1 3.0		
Hematopoietic Cell Proliferation															2								2		2 2.0		
Hemorrhage									2																6 2.3		
Hyperplasia, Lymphoid																							2		2 2.0		
Spleen		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Hematopoietic Cell Proliferation		2	2			2						3	4	3			3	1						4	20 2.7		
Lymphoid Follicle, Atrophy						3																			2 2.5		
Lymphoid Follicle, Hyperplasia																								1	1 1.0		
Thymus		+	+	+	M	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	M	M	+	+	44

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+ .. Tissue examined microscopically M .. Missing tissue
X .. Lesion present A .. Autolysis precludes evaluation
I .. Insufficient tissue BLANK .. Not examined microscopically

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1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

B6C3F1 MICE MALE 0 MG/KG	DAY ON TEST	ANIMAL ID																				* TOTALS		
		0 7 2 9	0 7 2 9	0 7 3 0	0 6 2 4	0 7 7 9	0 6 3 0	0 7 7 8	0 5 9 9	0 7 2 1	0 7 3 1	0 5 2 0	0 7 7 0	0 7 2 9	0 7 3 0	0 7 3 1	0 4 7 6	0 7 2 1	0 7 2 1	0 7 3 1	0 7 3 1		0 7 3 0	0 7 3 2
Trachea		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
SPECIAL SENSES SYSTEM																								
Eye Atrophy		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1 4.0
Harderian Gland Hyperplasia, Focal		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1 2.0
URINARY SYSTEM																								
Kidney Cyst		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 11 2.9
Kidney Infarct																								2 2.5
Kidney Infiltration Cellular, Lymphocyte																								1 3.0
Kidney Metaplasia, Osseous																								2 2.0
Kidney Nephropathy		1	1	1	3	1	2	2	4	1	1		1	1		1	1	1		1	1	1	2	40 1.4
Kidney Renal Tubule, Pigmentation																								1 2.0
Urinary Bladder Infiltration Cellular, Lymphocyte		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 2 2.0

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B6C3F1 MICE MALE	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	
		7	7	7	7	7	6	7	7	7	7	6	7	7	7	7	6	7	7	7	7	7	6	7	7	7
3 MG/KG	ANIMAL ID	3	3	3	3	3	5	3	2	3	2	7	3	3	3	5	2	3	3	3	3	6	3	3	2	
		0	0	1	1	0	4	1	9	0	9	4	0	1	1	0	4	9	1	0	1	0	3	1	1	9
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	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	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

males
(cont...)

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Acute																									
Ulcer																									
Submucosa, Edema																									2
Gallbladder	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	M	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Epithelium, Hyperplasia																									
Intestine Small, Jejunum	+	+	+	+	+	A	+	+	+	+	M	+	+	+	+	A	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basophilic Focus																									
Clear Cell Focus										X				X		X					X	X		X	
Cyst																									
Eosinophilic Focus																									
Inflammation, Chronic Active																									
Mixed Cell Focus										X				X											X
Centrilobular, Necrosis																									2

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TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

B6C3F1 MICE MALE	DAY ON TEST	0 7 3 0	0 7 3 0	0 7 3 1	0 7 3 1	0 7 3 0	0 6 5 4	0 7 3 1	0 7 2 9	0 7 3 0	0 7 2 9	0 6 7 4	0 7 3 0	0 7 3 1	0 7 3 0	0 6 5 4	0 7 2 9	0 7 3 1	0 7 3 0	0 6 3 3	0 7 6 1	0 7 3 1	0 7 3 1	0 7 3 2	0 7 3 9	males (cont...)
	ANIMAL ID	0 0 0 5 1	0 0 0 5 2	0 0 0 5 3	0 0 0 5 4	0 0 0 5 5	0 0 0 5 6	0 0 0 5 7	0 0 0 5 8	0 0 0 5 9	0 0 0 6 0	0 0 0 6 1	0 0 0 6 2	0 0 0 6 3	0 0 0 6 4	0 0 0 6 5	0 0 0 6 6	0 0 0 6 7	0 0 0 6 8	0 0 0 6 9	0 0 0 7 0	0 0 0 7 1	0 0 0 7 2	0 0 0 7 3	0 0 0 7 4	

Hepatocyte, Vacuolization Cytoplasmic

3 3 3 3 2 2 2 2

Mesentery
 Fat, Necrosis

+ + + +
 4 4

Pancreas
 Atrophy
 Acinus, Cytoplasmic Alteration

+
 2 3 3

Salivary Glands
 Infiltration Cellular, Lymphocyte

+
 2 3

Stomach, Forestomach
 Diverticulum
 Inflammation, Chronic
 Ulcer
 Epithelium, Hyperplasia

+
 1 1 2 2

Stomach, Glandular
 Cyst
 Erosion

+
 3 3 2 3

CARDIOVASCULAR SYSTEM

Heart
 Cardiomyopathy

+
 1

ENDOCRINE SYSTEM

Adrenal Cortex
 Accessory Adrenal Cortical Nodule

+
 3

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 + .. Tissue examined microscopically
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TDMS No. 99037 - 06
 Test Type: CHRONIC
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 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE MALE

3 MG/KG | 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 | males
(cont...) | |
|---------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------------|--|
| | | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | | | |
| | | 3 | 3 | 3 | 3 | 3 | 5 | 3 | 2 | 3 | 2 | 7 | 3 | 3 | 3 | 5 | 2 | 3 | 3 | 3 | 3 | 6 | 3 | 3 | 3 | 2 | | | |
| | | 0 | 0 | 1 | 1 | 0 | 4 | 1 | 9 | 0 | 9 | 4 | 0 | 1 | 1 | 0 | 4 | 9 | 1 | 0 | 1 | 0 | 3 | 3 | 1 | 1 | 9 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | | | |

Degeneration, Fatty
 Hyperplasia, Focal
 Hypertrophy, Focal
 Subcapsular, Hyperplasia

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|--|--|--|---|--|---|---|---|--|--|--|--|---|---|--|---|---|---|--|---|---|--|--|--|--|
| | | | | | | 1 | | 2 | | | | | | | | | | | | | | | | | | | |
| | | 2 | | | | | | | | 1 | | | | | 2 | 1 | | | 1 | 2 | | | 2 | | | | |
| | | | | | | | | | 3 | | | | | | | | | 2 | | | | 2 | 2 | | | | |

Adrenal Medulla
 Hyperplasia

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

Islets, Pancreatic
 Hyperplasia

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | 3 | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | |

Parathyroid Gland

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

Pituitary Gland
 Pars Distalis, Cyst
 Pars Distalis, Hyperplasia, Focal

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | | 3 | | | | | | | | | | | 3 | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Thyroid Gland
 Follicle, Degeneration, Focal
 Follicular Cell, Hyperplasia

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |

GENERAL BODY SYSTEM

Tissue NOS

GENITAL SYSTEM

Epididymis
 Granuloma Sperm
 Spermatocele

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE MALE
3 MG/KG | | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | |
| | | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| Preputial Gland | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Cyst | | | | | | | 3 | 3 | | | | 3 | | 3 | | 3 | | 3 | | 3 | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic | | | | | | | 2 | | | | | | | | | | | | | | | | | 3 | 3 | 3 | | | | | | | | | | | |
| Prostate | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Seminal Vesicle | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Testes | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Angiectasis | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | |
| Germinal Epithelium, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia | | | 2 | 2 | 2 | | 2 | 3 | | | | | | 3 | | 3 | | 3 | | 2 | | | | | | | | | 4 | 2 | | | | | | | |
| Lymph Node, Mandibular | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Pigmentation | | | | | | | | | | | | 3 | | 3 | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ectasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Hemorrhage | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3 |
| Hyperplasia, Lymphoid | | | | | | | 2 | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. 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

| B6C3F1 MICE MALE
3 MG/KG | 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 | 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 |
| | | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | | 7 |
| | | 3 | 3 | 3 | 3 | 3 | 5 | 3 | 2 | 3 | 2 | 7 | 3 | 3 | 3 | 3 | 5 | 2 | 3 | 3 | 3 | 3 | 6 | 3 | 3 | 3 | 3 | 2 | 9 | |
| | | 0 | 0 | 1 | 1 | 0 | 4 | 1 | 9 | 0 | 9 | 4 | 0 | 1 | 1 | 0 | 4 | 9 | 1 | 0 | 1 | 0 | 3 | 3 | 1 | 0 | 1 | 0 | 9 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | | | | |

Brain +

RESPIRATORY SYSTEM

Lung +
 Hemorrhage 1
 Infiltration Cellular, Histiocyte 2
 Inflammation, Chronic Active
 Metaplasia, Osseous 1
 Alveolar Epithelium, Hyperplasia

Nose +
 Foreign Body X
 Inflammation, Chronic 1

Trachea +

SPECIAL SENSES SYSTEM

Eye +
 Cataract 2
 Inflammation, Chronic 1
 Cornea, Hyperplasia 1
 Harderian Gland +
 Hyperplasia, Focal 2 2

URINARY SYSTEM

Kidney +
 Cyst 3 3 3 3 3 3 3

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

TDMS No. 99037 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture
CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
Time Report Requested: 13:12:57
First Dose M/F: 06/30/03 / 06/30/03
Lab: SRI

| B6C3F1 MICE MALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | * TOTALS |
|------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|----------|
| | 0731 | 0733 | 0733 | 0704 | 0775 | 0777 | 0752 | 0777 | 0766 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | | |
| 3 MG/KG | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | | |
| | 0076 | 0077 | 0078 | 0079 | 0080 | 0081 | 0082 | 0083 | 0084 | 0085 | 0086 | 0087 | 0088 | 0089 | 0090 | 0091 | 0092 | 0093 | 0094 | 0095 | 0096 | 0097 | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Inflammation, Acute | | | | 3 | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Ulcer | | | | 4 | | | | | | | | | | | | | | | | | | | 1 | 4.0 |
| Submucosa, Edema | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Gallbladder | + | + | + | + | + | + | + | + | A | + | + | + | + | I | + | + | + | + | M | + | + | + | 45 | |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Intestine Large, Colon | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | A | I | + | + | + | + | + | + | + | + | + | + | + | + | 46 | |
| Intestine Small, Ileum Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | 48 | 1 3.0 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Clear Cell Focus | X | X | | | | | | | | | | | | X | X | | X | X | | X | | | 14 | |
| Cyst | | | | | | | | | | | | | | 3 | | | | | | | | | 1 | 3.0 |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | X | 5 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | 3 | 1 | 3.0 |
| Mixed Cell Focus | | | | | | | | | | | | X | | | | X | | X | | | | | 7 | |
| Centrilobular, Necrosis | | | | | | | | 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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE MALE
3 MG/KG | 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 | 7 | 7 | 7 | 0 | 7 | 7 | 5 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 2 | 3 | 3 | 3 | 3 | 3 | | | 3 | 3 | 3 |
| | | 3 | 3 | 3 | 0 | 1 | 3 | 2 | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | * TOTALS | | |
| Hepatocyte, Vacuolization Cytoplasmic | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | 13 | 2.7 | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 4.0 |
| Pancreas | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 50 | | |
| Atrophy | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2.7 |
| Acinus, Cytoplasmic Alteration | | | | 2 | | | | | 3 | 3 | 3 | | | | | | | | | | | | | | | | | | 6 | 2.8 | |
| Salivary Glands | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 50 | | |
| Infiltration Cellular, Lymphocyte | | | | | 3 | | | | | | | | | 3 | | | 3 | | | | | 2 | 3 | | 2 | | | 3 | 2 | 10 | 2.6 |
| Stomach, Forestomach | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 50 | | |
| Diverticulum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Inflammation, Chronic | | | | | | | | | 2 | 2 | 3 | | | | | | | | | | | | | | | | | | | 5 | 1.8 |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Epithelium, Hyperplasia | | | | | | | | | 3 | 3 | 4 | | | | | | | | | | | | | | | | 1 | 3 | 7 | 2.6 | |
| Stomach, Glandular | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 50 | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3.0 |
| Erosion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heart | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 50 | | |
| Cardiomyopathy | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1.0 |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 50 | | |
| Accessory Adrenal Cortical Nodule | | 3 | | | 3 | | | | | | | | | | | | 3 | 3 | | | | | | | | | | | | 5 | 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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE MALE
3 MG/KG | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|------------|------------|--|----------|------------|--|----------|------------|--|--|--|--|--|--|--|--|--|--|--|----------|------------|------------|
| | ANIMAL ID | 7 | 7 | 7 | 0 | 7 | 7 | 5 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | | | | | | | | | | | | | | | | | | | |
| | | 3 | 3 | 3 | 0 | 1 | 3 | 2 | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | | | | | | | | | | | | | | | | | | | | | | |
| | | 1 | 0 | 0 | 4 | 5 | 0 | 9 | 1 | 7 | 1 | 1 | 0 | 0 | 0 | 1 | 9 | 0 | 1 | 1 | 1 | 9 | 0 | 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 | | | | | | | | | | | | | | | | | | | | | | |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | | | | | | | | | | | | | | | | | | | | | | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | | | | | | | | | | | | | | | | | |
| Degeneration, Fatty | | | | | | | | | | | | | | | | | | | | | | 2 | | 1 | 2.0 | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Focal | | 1 | | | | | | | | | | | | | | | | | | | | | 2 | 3 | | 1 | | 7 | 1.7 | | | | | | | | | | | | | | | | | |
| Hypertrophy, Focal | | 3 | 2 | | | | 3 | 2 | | | 3 | | | 1 | 1 | 2 | 2 | 1 | | | | 3 | | 20 | 1.9 | | | | | | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | | | | | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 7 | 2.1 | | | | | | | | | | | | | | | | | |
| Adrenal Medulla | | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | 1 | | | 2 | | | | | | | | | | | | | | | | | | | 2 | 1.5 |
| Islets, Pancreatic | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia | | 2 | | | | | | 3 | | | | | | | | | | | | | 2 | 3 | | | | 1 | | | | | 8 | 2.0 | | | | | | | | | | | | | | |
| Parathyroid Gland | | + | + | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | | | | | 3 | | | | 3 | 3.0 | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | 1 | | 2 | 1.0 | | | | | | | | | | | | | | | | | | | | | |
| Thyroid Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | | | | | | | | | | | | | | | | | | | | |
| Follicle, Degeneration, Focal | | 2 | | 1 | | | | | | | | | | | | | | 1 | | 2 | | | | | 10 | 1.7 | | | | | | | | | | | | | | | | | | | | |
| Follicular Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |

GENERAL BODY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|----------|
| Tissue NOS | | | | | | | | | | | | | | | | | | | | | | | + | | 1 |
|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|----------|

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|------------|------------|
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Granuloma Sperm | | | | | | | | | | | 3 | | | | | | | | | | | 3 | | 2 | 3.0 |
| Spermatocele | | | | | | | | | | | | | | | | | | | | | | | 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

| B6C3F1 MICE MALE
3 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|----------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| | 0731 | 0733 | 0730 | 0734 | 0735 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | |
| ANIMAL ID | 00076 | 00077 | 00078 | 00079 | 00080 | 00081 | 00082 | 00083 | 00084 | 00085 | 00086 | 00087 | 00088 | 00089 | 00090 | 00091 | 00092 | 00093 | 00094 | 00095 | 00096 | 00097 |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cyst | | 3 | | | | 3 | | 3 | | | | | 3 | | | | 3 | | | | | 3 |
| Inflammation, Chronic | | | | | | 2 | | 2 | | | | | | 2 | 2 | | | | | | 3 | 2 |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | |
| Germinal Epithelium, Atrophy | | | | | | | | | | | | | | 2 | | 2 | | | | | 3 | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | 3 | | | | 2 | 2 | | 3 | 2 | 2 | | | | 2 | | 2 | | 3 | 2 | 2 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy | | | 3 | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | 3 | |
| Atrophy | | | | | | | | | 2 | | | | | | | | | | | | | |
| Ectasia | | | | | | | | | | | | | | 2 | | | | | | | | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | 2 | |
| Hemorrhage | | | | | | | | | | | | | | | 3 | | | | | | | |
| Hyperplasia, Lymphoid | | | 3 | | | | | | | | | | | | | | | 4 | | | | |
| Pigmentation | | | | | | | | | | | | | | 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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE MALE

3 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|----------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------|
| | 0731 | 0730 | 0730 | 0704 | 0705 | 0707 | 0708 | 0709 | 0710 | 0711 | 0712 | 0713 | 0714 | 0715 | 0716 | 0717 | 0718 | 0719 | 0720 | 0721 | 0722 | 0723 | | 0724 |
| ANIMAL ID | 00076 | 00077 | 00078 | 00079 | 00080 | 00081 | 00082 | 00083 | 00084 | 00085 | 00086 | 00087 | 00088 | 00089 | 00090 | 00091 | 00092 | 00093 | 00094 | 00095 | 00096 | 00097 | 00098 | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Accessory Spleen | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Hematopoietic Cell Proliferation | | | | | 4 | | | 3 | 4 | 4 | 3 | | | 3 | 1 | | 1 | | 2 | 3 | 4 | 4 | 2 26 2.8 | |
| Lymphoid Follicle, Atrophy | | | | 3 | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Lymphoid Follicle, Hyperplasia | | | | | | | | | | | | | | | | 2 | 2 | | | | | | 5 1.6 | |
| Thymus | + | + | + | + | + | + | | I | + | + | M | + | + | + | + | + | + | + | + | + | M | + | 43 | |
| Atrophy | | | | 3 | | | 3 | | 3 | 3 | | | | | | 2 | | | | | 2 | 3 | 8 2.6 | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | 2 3.0 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Cyst Epithelial Inclusion | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Edema | | | | | | | | | | | | | | | | | | | | | 2 | | 1 2.0 | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | 2 3.5 | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hyperostosis | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Cranium, Osteopetrosis | | | | | | | | | | | | | | | | | | | | | 2 | | 1 2.0 | |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| NERVOUS 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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE MALE
3 MG/KG | DAY ON TEST | ANIMAL ID | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|-----------------------------------|-------------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|--------|
| | | 0731 | 0733 | 0730 | 0704 | 0707 | 0707 | 0705 | 0707 | 0706 | 0707 | 0707 | 0707 | 0707 | 0707 | 0707 | 0707 | 0707 | 0707 | 0707 | 0707 | | 0707 |
| Brain | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Lung | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Inflammation, Chronic Active | | | | | 1 | | | | | | | | | | | | | | | | | | 1 1.0 |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | 1 | | | | 1 1.0 |
| Nose | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Foreign Body | | | | | | | | | | | | | | | | | | | | X | | | 2 |
| Inflammation, Chronic | | | | | 2 | | | | | | | | | | | | | | | 1 | | | 3 1.3 |
| Trachea | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Cataract | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Inflammation, Chronic | | | | | | | | | | | | 2 | | | | | | | 4 | | | | 3 2.3 |
| Cornea, Hyperplasia | | | | | | | | | | | 2 | | | | | | | | | | | | 2 1.5 |
| Harderian Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hyperplasia, Focal | | | | | | | | | | | | | 1 | | 3 | | | | | | | | 4 2.0 |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Cyst | | 3 | 3 | | | | | | | | 3 | | | | 3 | | | | 3 | 3 | 3 | | 15 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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE MALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|-----------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|-------|-----|
| | 0731 | 0733 | 0730 | 0734 | 0735 | 0737 | 0738 | 0739 | 0741 | 0747 | 0747 | 0747 | 0747 | 0747 | 0747 | 0747 | 0747 | 0747 | 0747 | 0747 | 0747 | 0747 | 0747 | 0747 | | | |
| 3 MG/KG | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0076 | 0077 | 0078 | 0079 | 0080 | 0081 | 0082 | 0083 | 0084 | 0085 | 0086 | 0087 | 0088 | 0089 | 0090 | 0091 | 0092 | 0093 | 0094 | 0095 | 0096 | 0097 | 0098 | 0099 | | | |
| Hydronephrosis | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 2.0 | | |
| Infarct | | | | | | | 3 | | | | | | | | | | | | | | | | | | 3 | 3 2.7 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | 3 | 3 | | | | | | | | | | | 3 | 2 | | 6 | 2.8 | |
| Nephropathy | 1 | 1 | 1 | | 1 | 2 | | 1 | | 4 | 3 | 2 | | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 3 | 3 | 2 | 3 | 41 | 1.7 |
| Renal Tubule, Pigmentation | | | | | | | | | | | | | | | | | | | | | | 3 | | | 3 | 2.7 | |
| Urethra | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 | |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | |
| Urinary Bladder Dilatation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| | | | | | | | | | 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
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 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
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TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|----------------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|
| B6C3F1 MICE MALE | DAY ON TEST | 0688 | 0731 | 0730 | 0729 | 0729 | 0729 | 0666 | 0666 | 0677 | 0666 | 0777 | 0666 | 0777 | 0777 | 0555 | 0777 | 0733 | 0733 | 0722 | 0722 | 0700 | 0777 | 0777 | 0777 | males
(cont...) |
| | 6 MG/KG | ANIMAL ID | 0010 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Gallbladder | A | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Small, Jejunum | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Clear Cell Focus | | | X | | | X | | | | X | | | X | | | | | X | | X | | | | | | |
| Eosinophilic Focus | X | | | | | | | | | | | X | | | | | | | | | X | | | | | |
| Eosinophilic Focus, Multiple Inflammation, Chronic Active | | | | | | X | | | | | | | | | | | | | | | | | | | | |
| Mixed Cell Focus | | X | X | | | | | | X | | | | | | | X | X | X | | | | | | | | |
| Necrosis, Focal | | | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| Tension Lipidosis | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Centrilobular, Necrosis | | | | | | | | | 3 | | | | | | | | | | | | | | | | | |
| Hepatocyte, Vacuolization | | 3 | 3 | 4 | 3 | | | | | | 3 | | | | 3 | | | 2 | 3 | 3 | | | | 3 | 3 | 3 |
| Kupffer Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | + | | | | | | | | | | | | | | | | | | | + | |

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TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
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 Lab: SRI

| B6C3F1 MICE MALE | 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...) |
|------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------------|
| | | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 7 | 6 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| 6 MG/KG | | 8 | 3 | 3 | 2 | 2 | 2 | 9 | 9 | 8 | 7 | 2 | 9 | 2 | 8 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 2 | 0 | |
| | | 8 | 1 | 0 | 9 | 9 | 9 | 6 | 8 | 7 | 9 | 1 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 9 | 2 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 0 | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 1 | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Fat, Necrosis | | 3 | | | | | | | | | | 3 | | | | | | | | | | | | | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Atrophy | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | X | | | | | | |
| Acinus, Cytoplasmic Alteration | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acinus, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | 2 | | | | | | | | | | | | | | | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia | | | | | | | | | | 2 | | | 3 | | | | | | | | | 4 | | | | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Erosion | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia | | | | | | | | | 3 | | | | | | | | | | | | | | | | | |
| Tooth | | | | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Accessory Adrenal Cortical Nodule | | | | 3 | | | | | | | | | | | | | | | | | | | | 3 | | |
| Hyperplasia, Focal | | | | | | | | | 2 | | | | | 3 | | | | | | | | 2 | | | | |

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

| B6C3F1 MICE MALE
6 MG/KG | 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 | males
(cont...) |
|---|-------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|
| | ANIMAL ID | | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 7 | 6 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| Hypertrophy, Focal
Subcapsular, Hyperplasia | | | 2 | | 1 | 1 | | | | 2 | 1 | | | 1 | | | 3 | 2 | | 2 | | | 2 | | |
| Adrenal Medulla
Hyperplasia | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Islets, Pancreatic
Hyperplasia | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Parathyroid Gland | | | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | M | | |
| Pituitary Gland
Pars Distalis, Cyst
Pars Distalis, Hyperplasia, Focal | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | | |
| Thyroid Gland
Follicle, Degeneration, Focal | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tissue NOS | | | | | | | | | | | | | | | | | | | | | | | | | |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epididymis | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Preputial Gland
Cyst
Inflammation, Chronic | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Prostate | | | 3 | | | | | 3 | | | | | | | 3 | | | | | 3 | | | 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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE MALE
6 MG/KG | 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...) | |
|-----------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------------|---|
| | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 7 | 6 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 2 | 2 | 2 | 2 | 7 | | | 7 |
| | 8 | 3 | 3 | 2 | 2 | 2 | 2 | 9 | 9 | 7 | 2 | 9 | 2 | 2 | 8 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 2 | 2 | 2 | 1 | 1 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 0 | 0 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 1 | 1 |

Atrophy 3 2
 Cyst 3

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Edema | | | | | | | | 3 | | | | | | | | | | | | | | | | |
| Fibrosis | | | 4 | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | 2 | | | | | |
| Epidermis, Hyperplasia | | | | | | | | | | | | | | | | | | | 3 | | | | | |

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Foreign Body | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolar Epithelium, Hyperplasia | 2 | | | | | | | | | | | | 1 | | 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

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE MALE
6 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | |
| ANIMAL ID | 00126 | 00127 | 00128 | 00129 | 00130 | 00131 | 00132 | 00133 | 00134 | 00135 | 00136 | 00137 | 00138 | 00139 | 00140 | 00141 | 00142 | 00143 | 00144 | 00145 | 00146 | 00147 | 00148 | 00149 | 00150 |
| Hypertrophy, Focal
Subcapsular, Hyperplasia | 2 | 1 | | 1 | | | | | 2 | | | | 1 | | | | 1 | 1 | 1 | 1 | | | | 2 | |
| | | 2 | | | | | 3 | | | | | | | | | | | | | | | | | | |
| Adrenal Medulla
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| | | | | | | | | | | | | | | | | | | | | | 2 | | | | 1 |
| Islets, Pancreatic
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| | | | | 1 | | | 2 | | 1 | | | | | 1 | | | 4 | | 2 | 1 | | | | | 12 |
| Parathyroid Gland | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Pituitary Gland
Pars Distalis, Cyst
Pars Distalis, Hyperplasia, Focal | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | 48 |
| | | | | | | | | | | | 3 | | | | | | | 3 | | | | | | | 2 |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Thyroid Gland
Follicle, Degeneration, Focal | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| | 1 | | | | | | 2 | | 1 | | | | | 1 | | | 3 | | | | | | | | 11 |

GENERAL BODY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| Tissue NOS | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Preputial Gland
Cyst
Inflammation, Chronic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| | | | 3 | | | 3 | | | | | | | | | | | | | | | | | | | 7 |
| | | | 3 | | 3 | | 3 | 2 | | | 2 | | | | | | 3 | 2 | | | 3 | | | | 10 |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

* .. 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

| B6C3F1 MICE MALE
6 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|-----------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------------------|-----------------------|--------|
| | 0730 | 0739 | 0664 | 0771 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0667 | 0777 | 0777 | 0777 | 0777 | | | |
| ANIMAL ID | 00126 | 00127 | 00128 | 00129 | 00130 | 00131 | 00132 | 00133 | 00134 | 00135 | 00136 | 00137 | 00138 | 00139 | 00140 | 00141 | 00142 | 00143 | 00144 | 00145 | 00146 | 00147 | 00148 | 00149 | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 1 3.0 | |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Germinal Epithelium, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2 1.0 | |
| Interstitial Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2 2 2 3 3 3 2 2 3 3 3 | 23 2.5 |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Lymph Node, Mandibular | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 2.0 | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | 2 | 3 2 | 9 1.9 | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | | | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | 2 | 3 2.7 | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 2.0 | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 1 3 6 2.0 | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 4 2.0 | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | 4 | 1 3 2 2 3 3 4 4 2 3 3 4 3 3 | 24 2.8 | |
| Lymphoid Follicle, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 3.0 | |
| Lymphoid Follicle, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 3 1 5 2.0 | | |
| Thymus | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 44 | | | |

* .. 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. 99037 - 06
 Test Type: CHRONIC
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 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE MALE
6 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|-----------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|--|
| | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | | | |
| ANIMAL ID | 00126 | 00127 | 00128 | 00129 | 00130 | 00131 | 00132 | 00133 | 00134 | 00135 | 00136 | 00137 | 00138 | 00139 | 00140 | 00141 | 00142 | 00143 | 00144 | 00145 | 00146 | 00147 | 00148 | 00149 | 00150 | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Foreign Body | | | X | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Inflammation, Chronic | | | | | | | | | | | | | | | 1 | | | | | | | | | | 4 1.3 | | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 2.0 | |
| Cornea, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 2.0 | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Cyst | | | | 3 | 3 | | | | | 3 | 3 | | 3 | | 3 | | 3 | | 3 | | | | | | 9 3.0 | | |
| Infarct | | 1 | | | | 1 | | | | | | | | 3 | | | | | | | | | | | 6 1.5 | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | 3 | | | | 2 | | | | | | | | | 5 2.4 | | |
| Metaplasia, Osseous | | | | 2 | | | | | | | | | | | | | | | | 1 | | 3 | | | 5 2.0 | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | | |
| Nephropathy | 1 | 1 | | 1 | 1 | 1 | 2 | 1 | 3 | 2 | 3 | 2 | | 1 | 1 | 2 | 1 | 1 | 3 | 1 | 2 | 1 | | | 38 1.5 | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
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 alpha/beta Thujone mixture
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| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------------|
| B6C3F1 MICE MALE | DAY ON TEST | 0729 | 0729 | 0664 | 0773 | 0773 | 0772 | 0671 | 0773 | 0773 | 0773 | 0773 | 0676 | 0773 | 0773 | 0676 | 0773 | 0773 | 0676 | 0773 | 0773 | 0577 | 0773 | 0773 | 0773 | males
(cont...) |
| | ANIMAL ID | 00151 | 00152 | 00153 | 00154 | 00155 | 00156 | 00157 | 00158 | 00159 | 00160 | 00161 | 00162 | 00163 | 00164 | 00165 | 00166 | 00167 | 00168 | 00169 | 00170 | 00171 | 00172 | 00173 | 00174 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M |
| Gallbladder | + | + | A | + | I | + | A | + | + | + | M | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum
Ulcer | + | + | A | + | + | + | A | + | + | + | + | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | A | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum
Inflammation, Chronic Active | + | + | A | + | + | + | A | + | + | + | + | + | A | + | + | A | + | + | + | + | + | + | + | + | + | 3 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basophilic Focus | | | | | | | | | | | | | | | | X | | | | | | | | | X | |
| Clear Cell Focus | | | X | | | X | X | | X | | | X | | X | X | | X | | | | X | X | | | | X |
| Eosinophilic Focus | | | | | | | | X | | | | | | | | | | | | X | | X | X | | | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | 2 | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Mixed Cell Focus | | | | | | X | | | | X | | | | | | X | | | | | | | | | | |
| Necrosis, Focal | | | | | | | | | | | | | | 1 | | | | | | | | | | | | 3 |
| Necrosis, Diffuse | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Hepatocyte, Vacuolization Cytoplasmic | | | | | | 2 | 3 | | 3 | | | | 2 | | 3 | 3 | | | | | | | | | 3 | 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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------------------|---|---|---|
| B6C3F1 MICE MALE | 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 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 6 | 7 | 6 | 7 | 5 | 7 | 7 | |
| | | 2 | 2 | 0 | 3 | 3 | 2 | 1 | 3 | 2 | 3 | 2 | 3 | 0 | 3 | 3 | 5 | 3 | 7 | 3 | 9 | 3 | 7 | 2 | 3 | 3 |
| | | 9 | 9 | 4 | 0 | 1 | 9 | 9 | 0 | 0 | 0 | 9 | 0 | 8 | 1 | 1 | 2 | 0 | 7 | 0 | 1 | 0 | 9 | 3 | 9 | 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 | 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 |
| | | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 |
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |
| | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | |

Kupffer Cell, Pigmentation

| | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|
| Mesentery | + | | | | | | | | | | | | | | | | | | | | |
| Fat, Necrosis | 2 | | | | | | | | | | | | | | 3 | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|
| Pancreas | + | | | | | | | | | | | | | | | | | | | | | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | 2 | | | |
| Acinus, Cytoplasmic Alteration | 3 | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Salivary Glands | + | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 2 | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|---|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|
| Stomach, Forestomach | + | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | 1 | | | | | |
| Epithelium, Hyperplasia | | | | | | | | | | | | 1 | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|
| Stomach, Glandular | + | | | | | | | | | | | | | | | | | | | | | | |
| Erosion | A | | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Metaplasia, Squamous | | | | | | | | | | | | | | | | | | 1 | | | | | |

Tongue

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|
| Heart | + | | | | | | | | | | | | | | | | | | | | | | |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | 1 | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Adrenal Cortex | + | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

* .. 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

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------|---|
| B6C3F1 MICE MALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 6 | 7 | 6 | 7 | 5 | 7 | | 7 | |
| | | 2 | 2 | 0 | 3 | 3 | 2 | 1 | 3 | 2 | 3 | 2 | 3 | 0 | 3 | 3 | 5 | 3 | 7 | 3 | 9 | 3 | 7 | | 2 | 3 |
| 12 MG/KG | 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 |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | males (cont...) | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | | 4 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|
| Accessory Adrenal Cortical Nodule Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hypertrophy, Focal Subcapsular, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Islets, Pancreatic Atrophy | + | + | + | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland Cyst | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Pituitary Gland Pars Distalis, Cyst | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | | |
| Thyroid Gland Follicle, Cyst | + | + | + | M | | | | | | | | | | | | | | | | | | | | | | |
| Follicle, Degeneration, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | |

GENERAL BODY SYSTEM

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

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|
| Epididymis Inflammation, Chronic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Penis | | | | | | | | | | | | | | | | | | | | | | | | | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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 1-4 .. Lesion qualified as:
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| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------|---|---|---|
| B6C3F1 MICE MALE | 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 | |
| | | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 6 | 7 | 6 | 7 | 5 | 7 | 7 | 7 | 7 |
| | | 2 | 2 | 0 | 3 | 3 | 2 | 1 | 3 | 2 | 3 | 2 | 3 | 0 | 3 | 3 | 5 | 3 | 7 | 3 | 9 | 3 | 7 | 2 | 3 | 3 |
| 12 MG/KG | 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 | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | males | | | |
| | | | | | | | | | | | | | | | | | | | | | | | (cont...) | | | |

Cyst 3

Preputial Gland +
 Cyst 3 3 3 3 3 3 3
 Inflammation, Chronic 2

Prostate +

Seminal Vesicle +

Testes +
 Germinal Epithelium, Atrophy

HEMATOPOIETIC SYSTEM

Bone Marrow +
 Hyperplasia 3 2 2 3 2

Lymph Node
 Lymph Node, Mandibular + + + + + + + + + + + M + + + + + + + + + + + + + + + +
 Hemorrhage
 Hyperplasia, Lymphoid 2
 Pigmentation 3

Lymph Node, Mesenteric + + A + + + + + + + + + + + + + + + M + + + + + + + + + +
 Atrophy 2
 Ectasia
 Hematopoietic Cell Proliferation 2 2
 Hemorrhage 1
 Hyperplasia, Lymphoid 2

* .. 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

TDMS No. 99037 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
alpha/beta Thujone mixture
CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
Time Report Requested: 13:12:57
First Dose M/F: 06/30/03 / 06/30/03
Lab: SRI

| B6C3F1 MICE MALE
12 MG/KG | DAY ON TEST | | ANIMAL ID | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | | | | | | | | | | | |
|------------------------------------|-------------|----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 07
29 | 07
29 | 06
04 | 07
03 | 07
03 | 07
02 | 06
01 | 07
09 | 07
03 | 07
02 | 07
03 | 07
02 | 06
03 | 07
03 | 07
02 | 06
03 | 07
01 | 07
02 | 06
03 | 07
03 | 07
02 | 05
09 | | 07
03 | 07
02 | 07
03 | 07
04 | 07
05 | 07
06 | 07
07 | 07
08 | 07
09 | 07
00 | 07
01 | 07
02 | 07
03 |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | |
| Spleen | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoid Follicle, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoid Follicle, Hyperplasia | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| Thymus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | |
|------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Mammary Gland | | | | | | | | | | | | | | | | | | | | |
| Skin | | | | | | | | | | | | | | | | | | | | |
| Edema | | | | | | | | | | | | | | | | | | | | |
| Ulcer | | | | | | | | | | | | | | | | | | | | |
| Epidermis, Hyperplasia | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | |
|------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Bone | | | | | | | | | | | | | | | | | | | | |
| Cranium, Osteopetrosis | | | | | | | | | | | | | | | | | | | | |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | |
|-------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Brain | | | | | | | | | | | | | | | | | | | | |
|-------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

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TDMS No. 99037 - 06
 Test Type: CHRONIC
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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE MALE
12 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | |
|------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|--------------------|------------------|
| | 0
7
2
9 | 0
7
2
9 | 0
6
0
4 | 0
7
3
0 | 0
7
3
1 | 0
7
2
9 | 0
6
1
9 | 0
7
3
0 | 0
7
2
9 | 0
7
3
0 | 0
7
2
3 | 0
6
7
8 | 0
7
3
1 | 0
7
3
5 | 0
6
7
3 | 0
6
7
0 | 0
6
7
1 | 0
5
7
3 | 0
7
2
9 | 0
7
2
3 | | | 0
7
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 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |

Necrosis

3

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Foreign Body | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cyst | | | 3 | | | 3 | | | | | | 3 | 3 | 3 | | | | | | | | | | 3 |
| Infarct | | | | | | | | | | | | | | 2 | | | | | | | | | | 2 |
| Infiltration Cellular, Lymphocyte | | | | 2 | | 3 | | | | | | | | | | | | | | | | | | |
| Metaplasia, Osseous | | | | | | | | 1 | | | | | | | | | | | | | 3 | | | |
| Nephropathy | 1 | 2 | | 3 | 1 | 2 | | | 1 | | 1 | 1 | 1 | | | 1 | 1 | 1 | | | 2 | | 1 | 1 |
| | | | | | | | | | | | | | | | | | | | | | | | | 2 |

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 I .. Insufficient tissue BLANK .. Not examined microscopically 2) Mild 4) Marked

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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture
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| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------|
| B6C3F1 MICE MALE

12 MG/KG | DAY ON TEST | 079 | 079 | 064 | 073 | 073 | 079 | 061 | 073 | 079 | 073 | 073 | 063 | 073 | 067 | 073 | 067 | 073 | 067 | 073 | 057 | 077 | 077 | 073 | males
(cont...) |
| | ANIMAL ID | 001 | 001 | 003 | 004 | 005 | 006 | 007 | 008 | 009 | 000 | 001 | 002 | 003 | 004 | 005 | 006 | 007 | 008 | 009 | 000 | 001 | 002 | 003 | |

Artery, Inflammation, Chronic Active
 Renal Tubule, Pigmentation

3

Urinary Bladder
 Dilatation

+ +

4

* .. 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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------|-----------------------|
| B6C3F1 MICE MALE | DAY ON TEST | 0
7
3
0 | 0
7
3
1 | 0
7
3
1 | 0
0
0
4 | 0
7
0
9 | 0
7
3
0 | 0
4
5
6 | 0
7
2
9 | 0
7
2
9 | 0
7
3
0 | 0
7
3
0 | 0
4
4
0 | 0
5
3
5 | 0
7
3
0 | 0
7
3
1 | 0
7
5
8 | 0
7
3
0 | 0
7
2
9 | 0
7
3
0 | 0
7
2
9 | 0
7
3
0 | 0
7
3
1 | 0
7
3
0 | 0
7
3
3 | 0
7
3
0 | * TOTALS | |
| | ANIMAL ID | 0
0
1
7
6 | 0
0
1
7
7 | 0
0
1
7
8 | 0
0
1
8
9 | 0
0
1
8
1 | 0
0
1
8
2 | 0
0
1
8
3 | 0
0
1
8
4 | 0
0
1
8
5 | 0
0
1
8
6 | 0
0
1
8
7 | 0
0
1
8
8 | 0
0
1
8
8 | 0
0
1
8
8 | 0
0
1
8
9 | 0
0
1
9
0 | 0
0
1
9
1 | 0
0
1
9
2 | 0
0
1
9
3 | 0
0
1
9
4 | 0
0
1
9
5 | 0
0
1
9
6 | 0
0
1
9
7 | 0
0
1
9
8 | 0
0
1
9
9 | | 0
0
1
9
0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---------------|--------------|
| Esophagus | + | | | | | | | | | | | | | | | | | | | | | | | | 49 | |
| Gallbladder | + | | | | | | | | | | | | | | | | | | | | | | | | 41 | |
| Intestine Large, Cecum | + | | | | | | | | | | | | | | | | | | | | | | | | 49 | |
| Intestine Large, Colon | + | | | | | | | | | | | | | | | | | | | | | | | | 49 | |
| Intestine Large, Rectum | + | | | | | | | | | | | | | | | | | | | | | | | | 50 | |
| Intestine Small, Duodenum
Ulcer | + | | | | | | | | | | | | | | | | | | | | | | | | 46 | 1 2.0 |
| Intestine Small, Ileum | + | | | | | | | | | | | | | | | | | | | | | | | | 47 | |
| Intestine Small, Jejunum
Inflammation, Chronic Active | + | | | | | | | | | | | | | | | | | | | | | | | | 46 | 1 3.0 |
| Liver | + | | | | | | | | | | | | | | | | | | | | | | | | 50 | |
| Basophilic Focus | X | | | | | | | | | | | | | | | | | | | | | | | | 5 | |
| Clear Cell Focus | X X | | | | | | | | | | | | | | | | | | | | | | | | 21 | |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | 5 | |
| Hematopoietic Cell Proliferation | 4 | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Inflammation, Chronic Active | 3 | | | | | | | | | | | | | | | | | | | | | | | | 3 3.0 | |
| Mixed Cell Focus | X | | | | | | | | | | | | | | | | | | | | | | | | 7 | |
| Necrosis, Focal | | | | | | | | | | | | | | | | | | | | | | | | | 3 2.3 | |
| Necrosis, Diffuse | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Hepatocyte, Vacuolization Cytoplasmic | 3 3 | | | | | | | | | | | | | | | | | | | | | | | | 17 2.8 | |

* .. 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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE MALE
12 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|--|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|
| | 0730 | 0731 | 0734 | 0739 | 0740 | 0746 | 0749 | 0752 | 0759 | 0774 | 0775 | 0777 | 0778 | 0783 | 0784 | 0785 | 0786 | 0787 | 0788 | 0789 | 0790 | 0791 | |
| | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | |
| Kupffer Cell, Pigmentation | 3 | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Mesentery
Fat, Necrosis | + + + | | | | | | | | | | | | | | | | | | | | | | 7
6 2.7 |
| Pancreas
Atrophy
Acinus, Cytoplasmic Alteration | + + + + + + + 3 + + + + + + + + + + + + + + + + + | | | | | | | | | | | | | | | | | | | | | | 50
2 2.5
1 3.0 |
| Salivary Glands
Infiltration Cellular, Lymphocyte | + | | | | | | | | | | | | | | | | | | | | | | 50
3 2.3 |
| Stomach, Forestomach
Inflammation, Chronic
Epithelium, Hyperplasia | + | | | | | | | | | | | | | | | | | | | | | | 50
3 1.3
3 2.0 |
| Stomach, Glandular
Erosion
Epithelium, Metaplasia, Squamous | + | | | | | | | | | | | | | | | | | | | | | | 49
1 2.0
1 1.0 |
| Tongue | + | | | | | | | | | | | | | | | | | | | | | | 1 |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Heart
Cardiomyopathy
Inflammation, Chronic Active | + | | | | | | | | | | | | | | | | | | | | | | 50
1 1.0
1 2.0 |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex | + | | | | | | | | | | | | | | | | | | | | | | 50 |

* .. 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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE MALE
12 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| | 0730 | 0731 | 0732 | 0733 | 0734 | 0735 | 0736 | 0737 | 0738 | 0739 | 0740 | 0741 | 0742 | 0743 | 0744 | 0745 | 0746 | 0747 | 0748 | 0749 | 0750 | 0751 | 0752 | | |
| ANIMAL ID | 00176 | 00177 | 00178 | 00179 | 00180 | 00181 | 00182 | 00183 | 00184 | 00185 | 00186 | 00187 | 00188 | 00189 | 00190 | 00191 | 00192 | 00193 | 00194 | 00195 | 00196 | 00197 | 00198 | | |
| Accessory Adrenal Cortical Nodule
Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | 3 | 2 3.0 | |
| Hypertrophy, Focal
Subcapsular, Hyperplasia | 2 | 1 | | | | | | 2 | | 1 | | | 1 | | | | | | 1 | | | | | 2 | 14 1.4 |
| Adrenal Medulla | 2 | | | | 2 | | | | | | | | | | | | | | | | | | | 2 | 7 2.1 |
| Islets, Pancreatic
Atrophy
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 50 |
| Parathyroid Gland
Cyst | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | 46 | 4 3.0 |
| Pituitary Gland
Pars Distalis, Cyst | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | 2 3.0 |
| Thyroid Gland
Follicle, Cyst
Follicle, Degeneration, Focal | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | 1 3.0 |
| | | | | 1 | | | | | 1 | | 2 | 2 | | 2 | | | | 2 | 2 | 2 | | | 2 | 16 | 1.8 |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tissue NOS | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epididymis
Inflammation, Chronic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 2.0 |
| Penis | | | | | | | | | | | | | | | | | | | | | | | | 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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE MALE
12 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|----------------------------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|--------|--------|
| | 0730 | 0731 | 0734 | 0739 | 0740 | 0743 | 0747 | 0749 | 0752 | 0756 | 0759 | 0763 | 0765 | 0768 | 0771 | 0773 | 0776 | 0779 | 0782 | 0785 | | 0788 | 0791 |
| ANIMAL ID | 001766 | 001767 | 001768 | 001769 | 001770 | 001771 | 001772 | 001773 | 001774 | 001775 | 001776 | 001777 | 001778 | 001779 | 001780 | 001781 | 001782 | 001783 | 001784 | 001785 | 001786 | 001787 | 001788 |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Cyst | 3 | 3 | | | 3 | 3 | | | 3 | 3 | | | | | 3 | 3 | | | | | | 3 | 17 3.0 |
| Inflammation, Chronic | | | 2 | | 3 | | | | 2 | | | | | 3 | | | | | | | | | 10 2.3 |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Germinal Epithelium, Atrophy | | | | | | | | | | | | | | | | | | | | | | 2 | 1 2.0 |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hyperplasia | | | 3 | | 4 | | 4 | | | | | 3 | 3 | 2 | | | 2 | | | | | 3 2 | 21 2.8 |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | + | 1 |
| Lymph Node, Mandibular | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Hemorrhage | | | 2 | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | 1 | | 2 | | 2 | | | | | 2 | 5 1.8 |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Atrophy | | | 3 | | | | | | | | | | | | | | 2 | | | | | | 3 2.3 |
| Ectasia | | | 2 | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | 2 2.0 |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | 1 | 2 1.0 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | 2 | 2 | | | | 2 | | | 2 | 5 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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE MALE
12 MG/KG | 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 | * TOTALS |
|------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
| | | 7 | 7 | 7 | 0 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 4 | 5 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|------------|------------|
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Hematopoietic Cell Proliferation | | | | 4 | | 4 | | 3 | | | | | 3 | 3 | | 1 | | 3 | | 1 | | | | 2 | 2 | 25 | 2.8 |
| Lymphoid Follicle, Atrophy | | | | | | | | | | | | | | | | | | 3 | | | | | | | | 1 | 3.0 |
| Lymphoid Follicle, Hyperplasia | | | | | | | | | | | | | | | | 2 | 2 | | | | | | | | | 3 | 1.7 |
| Thymus | + | I | + | + | + | + | I | + | + | + | + | + | + | + | + | M | + | + | + | + | + | M | + | + | 40 | | |
| Atrophy | | | | | | 3 | | | | | | | | | 2 | | | | | | | 3 | | 3 | 6 | 2.8 | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | 3 | | | 4 | 3.0 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | 3 | | | | | | | | | | | | | | 1 | 3.0 | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------|------------|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Edema | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2.5 |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 4.0 |
| Epidermis, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|------------|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Cranium, Osteopetrosis | | | | | | | | | | | | | | | 3 | | | | | | | | | | 2 | 3.0 |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | + | | 1 | |

NERVOUS SYSTEM

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

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

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE MALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | |
|------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------|
| | | 7 | 7 | 7 | 0 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 4 | 5 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| 12 MG/KG | | 3 | 3 | 3 | 0 | 0 | 3 | 5 | 2 | 2 | 3 | 3 | 7 | 4 | 3 | 3 | 3 | 1 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 0 | |
| | | 0 | 1 | 1 | 4 | 9 | 0 | 6 | 9 | 9 | 0 | 0 | 0 | 5 | 0 | 1 | 1 | 8 | 0 | 0 | 9 | 0 | 9 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 0 | |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | * TOTALS |

Necrosis 1 3.0

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Thrombosis | | | | | | 2 | | | | | | | | 1 | | | | | | | | | | | 2 | 1.5 |
| Alveolar Epithelium, Hyperplasia | | | | | | 1 | | | | | | 3 | | | | | | | | 3 | | | | | 4 | 2.3 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Foreign Body | | | | | | | | | | | | | | | | | | | | | | X | X | | 2 | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | 1 | | | | | | | 2 | | 3 | 1.7 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |

SPECIAL SENSES SYSTEM

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|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | 3 | | | 1 | 3.0 |
| Hyperplasia, Focal | 2 | | | | | | | | | | | | | | 2 | | | | | | | | | | 2 | 2.0 |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | 3 | 9 | 3.0 |
| Infarct | 1 | | | | | | | | | | | | | | | | | | | | | 2 | | 1 | 5 | 1.6 |
| Infiltration Cellular, Lymphocyte | | | | 2 | | 2 | | | | | | | | 2 | | | | | | | | | | | 5 | 2.2 |
| Metaplasia, Osseous | | | | | | | | | | 1 | | | | | | | 2 | | | | | | 1 | | 6 | 1.7 |
| Nephropathy | 1 | 1 | 2 | | | | 1 | | 1 | 1 | 1 | 1 | 3 | 2 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | | 1 | 38 | 1.4 |

* .. 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. 99037 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
Time Report Requested: 13:12:57
First Dose M/F: 06/30/03 / 06/30/03
Lab: SRI

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|--------------------------------------|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|-------|
| B6C3F1 MICE MALE | DAY ON TEST | 07
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31 | 07
04 | 07
07 | 07
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04 | 07
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07 | 07
07 | 07
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07 | * TOTALS | | |
| 12 MG/KG | ANIMAL ID | 00176 | 00177 | 00178 | 00179 | 00180 | 00181 | 00182 | 00183 | 00184 | 00185 | 00186 | 00187 | 00188 | 00189 | 00190 | 00191 | 00192 | 00193 | 00194 | 00195 | 00196 | 00197 | 00198 | 00199 | | | 00200 |
| Artery, Inflammation, Chronic Active | | | | | 3 | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | |
| Renal Tubule, Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Urinary Bladder Dilatation | | | | | | | | | | | | | | | | | | | | | | | | | | | 50 | 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
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TDMS No. 99037 - 06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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|-------------------------|-------------|---|--|--|--|--|---|--|---|---|--|--|--|--|--|--|--|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------------|-----------------------|
| B6C3F1 MICE MALE | DAY ON TEST | 0
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ALIMENTARY SYSTEM

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|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clear Cell Focus | | | | | X | | | | | | X | X | | | | | X | | | | | X | | | | | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | | X | | | | | |
| Necrosis, Focal | | | | | | | | | | | 2 | | | | | | | | | | | | 1 | | | | |
| Necrosis, Diffuse | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocyte, Hypertrophy | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | |
| Hepatocyte, Vacuolization Cytoplasmic | | | | | | 3 | | | | | | 3 | | | | | | | | | | | 3 | | | | |
| Mesentery | | | | | | | | | | | | + | | | | | | | | | | | | + | | | |

* .. 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. 99037 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
Time Report Requested: 13:12:57
First Dose M/F: 06/30/03 / 06/30/03
Lab: SRI

| B6C3F1 MICE MALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | |
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| | | 1 | 1 | 2 | 2 | 7 | 7 | 2 | 2 | 3 | 7 | 7 | 7 | 2 | 3 | 2 | 2 | 7 | 2 | 2 | 1 | 3 | 7 | 2 | 2 | 1 | 3 | 7 | 2 | 2 | 3 | 4 | 6 | 8 | 5 | 2 | 1 | 7 | 9 | 3 | 2 | 2 | 3 | 4 | 9 | | | | | | | |
| 25 MG/KG | 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 | | |
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males
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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fat, Necrosis | 3 | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas Atrophy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | |
| Salivary Glands Infiltration Cellular, Lymphocyte | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Stomach, Forestomach Inflammation, Chronic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Epithelium, Hyperplasia | | | | | 1 | | | | | | | 3 | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Stomach, Glandular Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
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ENDOCRINE SYSTEM

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| Adrenal Cortex Accessory Adrenal Cortical Nodule Cyst | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Degeneration, Fatty Hyperplasia, Focal | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hypertrophy, Focal Subcapsular, Hyperplasia | | | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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 X .. Lesion present
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 M .. Missing tissue
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 1) Minimal 3) Moderate
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TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE MALE
25 MG/KG | 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 | 1 | 1 | 2 | 2 | 7 | 7 | 2 | 2 | 3 | 7 | 7 | 7 | 2 | 3 | 2 | 2 | 7 | 2 | 2 | 1 | 7 | 9 | 3 | 7 | 2 | 2 | 1 |
| | | 8 | 3 | 3 | 9 | 3 | 3 | 6 | 3 | 5 | 2 | 2 | 3 | 4 | 6 | 8 | 5 | 2 | 1 | 7 | 9 | 3 | 2 | 2 | 3 | 2 | 3 | 4 |
| | | 3 | 5 | 9 | 1 | 1 | 1 | 8 | 9 | 1 | 9 | 9 | 1 | 1 | 5 | 8 | 0 | 9 | 2 | 4 | 0 | 4 | 9 | 0 | 0 | 6 | 4 | 9 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | | |

males
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Islets, Pancreatic Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | 1 | | | | | 2 | | | | | | | | | | | | 1 | | | | | |
| Parathyroid Gland | + | M | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pituitary Gland Rathke's Cleft, Dilatation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | 1 | | | | | | | | | | | | | | | | | | | | 1 | | |
| Thyroid Gland Follicle, Degeneration, Focal | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | 1 | | | | | | | | | | | | | 1 | | | |

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Preputial Gland Cyst Inflammation, Chronic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | |
| | | | | | | | | | | 3 | | 2 | | | | | 3 | | | | | | | | | | |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

HEMATOPOIETIC 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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE MALE
25 MG/KG | DAY ON TEST | | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | | | | | | |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|---|---|--------------------|---|---|---|---|---|---|---|--|
| | 0
1
8
3 | 0
1
3
5 | 0
2
3
9 | 0
2
3
1 | 0
7
3
1 | 0
7
3
1 | 0
2
6
8 | 0
2
3
9 | 0
2
5
1 | 0
3
2
9 | 0
7
2
9 | 0
7
3
1 | 0
2
4
5 | 0
3
6
8 | 0
2
5
0 | 0
7
2
9 | 0
2
1
2 | 0
2
7
4 | 0
1
9
0 | 0
3
3
4 | 0
7
2
9 | 0
2
2
0 | 0
1
3
6 | 0
2
3
4 | 0
0
2
5 | | | | | | | | | | | |
| Bone Marrow Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 3 | | + | + | 2 | + | + | | |
| Lymph Node, Mandibular Hyperplasia, Lymphoid | + | + | + | + | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 2 | + | + | + | + | | |
| Lymph Node, Mesenteric Hemorrhage Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | + | + | + | + | | |
| Spleen Hematopoietic Cell Proliferation Pigmentation Lymphoid Follicle, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 1 | + | + | 4 | + | 1 | | |
| Thymus Atrophy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 3 | | + | + | + | + | | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

* .. 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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE MALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|------------------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----------|--------------------|
| | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | | |
| 25 MG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 20 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 11 | |

Pigmentation

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Foreign Body | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Hemorrhage | | 1 | | | | | | | 1 | | | | | 2 | | | | 1 | | | | | | | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Inflammation, Chronic | | | | | | | | 3 | | | | | | | | | | | | | | | | | |
| Cornea, Ulcer | | | | | | | | 3 | | | | | | | | | | | | | | | | | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Cyst | | | | | | | 2 | | | | | | | | | | | | | | | | | | |
| Hydronephrosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infarct | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nephropathy | | 2 | | | 2 | 1 | | | | 3 | 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:
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TDMS No. 99037 - 06
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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| B6C3F1 MICE MALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | | 1 | 1 | 2 | 2 | 7 | 7 | 2 | 2 | 3 | 7 | 7 | 7 | 2 | 3 | 2 | 2 | 7 | 2 | 2 | 1 | 3 | 7 | 2 | 1 | 3 | 7 | 2 | 1 | 3 | 7 | 2 | 1 | 3 | 7 | 2 | 1 | 3 | | | |
| | | 8 | 3 | 3 | 9 | 3 | 3 | 6 | 3 | 5 | 2 | 2 | 3 | 4 | 6 | 8 | 5 | 2 | 1 | 7 | 9 | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | | | |
| | | 3 | 5 | 9 | 1 | 1 | 1 | 8 | 9 | 1 | 9 | 9 | 1 | 1 | 5 | 8 | 0 | 9 | 2 | 4 | 0 | 4 | 9 | 0 | 6 | 9 | 0 | 6 | 9 | 0 | 6 | 9 | 0 | 6 | 9 | 0 | 6 | 9 | | | |
| 25 MG/KG | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | |
| Papilla, Necrosis | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Dilatation, Focal | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Hyperplasia | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Transitional Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**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

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 alpha/beta Thujone mixture
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| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------|-----------------------|
| B6C3F1 MICE MALE | DAY ON TEST | 0
1
1
7 | 0
2
0
6 | 0
2
7
6 | 0
7
2
9 | 0
1
7
5 | 0
2
3
1 | 0
7
9
9 | 0
2
3
1 | 0
2
5
3 | 0
7
2
9 | 0
7
3
9 | 0
2
3
2 | 0
2
3
3 | 0
6
8
3 | 0
6
8
7 | 0
2
2
5 | 0
3
3
1 | 0
7
5
3 | 0
2
6
4 | 0
3
3
4 | 0
7
5
4 | 0
1
3
1 | 0
7
9
1 | 0
1
9
2 | * TOTALS | |
| | ANIMAL ID | 0
0
2
2
6 | 0
0
2
2
7 | 0
0
2
2
8 | 0
0
2
2
9 | 0
0
2
3
0 | 0
0
2
3
1 | 0
0
2
3
2 | 0
0
2
3
3 | 0
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3
3 | 0
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2
4
0 | 0
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2
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3 | 0
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4 | 0
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4 | 0
0
2
4
4 | 0
0
2
4
5 | | 0
0
2
4
0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Gallbladder | + | + | M | + | + | + | + | M | + | + | + | + | + | + | A | + | + | + | + | A | + | + | A | M | | | 43 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | M | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | 49 |
| Intestine Small, Jejunum | + | + | A | + | A | + | + | A | + | + | + | + | + | + | A | + | + | + | A | A | + | + | A | + | + | + | 43 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Basophilic Focus | | | | | | | | | | | X | | | X | | | | | | | | | | | | | 2 |
| Clear Cell Focus | | | | | | | | | | | | | | | | | | | | | | | X | | | | 6 |
| Inflammation, Chronic | | | | | 3 | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 1.0 |
| Mixed Cell Focus | | | | X | | | X | | | | | | | | | | | | | | | | | | | | 3 |
| Necrosis, Focal | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | 3 2.0 |
| Necrosis, Diffuse | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | 1 4.0 |
| Hepatocyte, Hypertrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Hepatocyte, Vacuolization Cytoplasmic | | | | | | | 3 | | | | | 3 | | | | | | | | | | | | | | | 5 3.0 |
| Mesentery | | | | + | | | | | | | | | | | | | | | | | | | | | | | 3 |

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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE MALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | |
|---|-------------|----|----|----|----|----|----|----|----|----|----|----|----|-------|-------|-------|----|----|----|----|----|----|----|----|----------|----|--|--|--|-------|
| | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | | | | |
| 25 MG/KG | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 50 | | | | | |
| ANIMAL ID | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 50 | | | | | |
| | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 50 | | | | | |
| | 22 | 22 | 22 | 22 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 50 | | | | | |
| | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 50 | | | | | |
| Fat, Necrosis | 3 | | | | | | | | | | | | | | | | | | | | | | | | 3 2.7 | | | | | |
| Pancreas Atrophy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | | | |
| | | | | | | | | | | | | | | | 1 | 1 1.0 | | | | | | | | | | | | | | |
| Salivary Glands Infiltration Cellular, Lymphocyte | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | | | |
| | 1 | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | | | | | |
| Stomach, Forestomach Inflammation, Chronic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | | | |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | 3 | 2 3.0 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | 3 | 5 2.6 | | | | | | | | | | | | | | |
| Stomach, Glandular Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | | | |
| | | | | | | | | | | | | | 2 | 1 2.0 | | | | | | | | | | | | | | | | |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | | |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | | |
| Accessory Adrenal Cortical Nodule | | | | | 3 | | | | | 3 | | | | | 3 | | | | | | | | | | | | | | | 4 3.0 |
| Cyst | | | | | | | | | | | | | | | 1 | 1 1.0 | | | | | | | | | | | | | | |
| Degeneration, Fatty | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 | | | | | |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | | | | | |
| Hypertrophy, Focal | | | | | | | | | | | | | | | 2 | 2 1.5 | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | | | | | | | | | | | | | 2 | 2 | 4 2.0 | | | | | | | | | | | | | | | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | | |

* .. 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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE MALE
25 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--|
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7 | 0
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0
6 | 0
2
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6 | 0
7
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9 | 0
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5 | 0
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1 | 0
7
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9 | 0
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1 | 0
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3 | 0
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9 | 0
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9 | 0
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2 | 0
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3 | 0
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3 | 0
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7 | 0
2
3
5 | 0
3
3
1 | 0
7
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3 | 0
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4 | 0
6
3
4 | 0
7
3
4 | 0
1
9
1 | 0
7
2
9 | | | |
| | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0
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2
2
6 | 0
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2
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7 | 0
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8 | 0
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9 | 0
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4 | 0
0
2
4
4 | 0
0
2
4
5 | 0
0
2
4
6 | |
| Islets, Pancreatic
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
3 1.3 | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Pituitary Gland
Rathke's Cleft, Dilatation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | 49
2 1.0 | |
| Thyroid Gland
Follicle, Degeneration, Focal | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
6 1.3 | |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Preputial Gland
Cyst
Inflammation, Chronic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
3 3.0
5 2.4 | |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| HEMATOPOIETIC 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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE MALE
25 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|--|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----------|---|
| | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 1 | 2 | 2 | 7 | 1 | 2 | 7 | 2 | 2 | 2 | 7 | 7 | 2 | 2 | 6 | 6 | 2 | 3 | 7 | 2 | 6 | 3 | 7 | 1 | 7 | 7 | |
| | 1 | 0 | 7 | 2 | 7 | 9 | 3 | 3 | 2 | 5 | 2 | 2 | 3 | 3 | 8 | 8 | 2 | 3 | 3 | 5 | 0 | 7 | 3 | 9 | 2 | | |
| | 7 | 6 | 6 | 9 | 1 | 5 | 1 | 9 | 1 | 3 | 9 | 9 | 2 | 3 | 3 | 7 | 5 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 9 | 2 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 50 | |
| Bone Marrow
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
7 2.7 |
| Lymph Node, Mandibular
Hyperplasia, Lymphoid | + | + | + | + | + | M | + | + | + | + | M | + | I | + | M | + | + | + | + | + | + | + | + | + | + | + | 44
1 2.0 |
| Lymph Node, Mesenteric
Hemorrhage
Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
1 1.0
3 2.7 |
| Spleen
Hematopoietic Cell Proliferation
Pigmentation
Lymphoid Follicle, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
9 2.4
1 3.0
1 2.0 |
| Thymus
Atrophy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49
2 2.5 |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

* .. 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. 99037 - 06
 Test Type: CHRONIC
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 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
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 Lab: SRI

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-----------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE MALE | 25 MG/KG | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 1 | 2 | 2 | 7 | 1 | 2 | 7 | 2 | 2 | 2 | 7 | 7 | 2 | 2 | 6 | 6 | 2 | 3 | 7 | 2 | 6 | 3 | 7 | 1 | 7 | 1 | 7 | 1 | 7 | 1 | 7 | 1 | 7 | 1 | 7 | 1 | 7 | 1 |
| | | 1 | 0 | 7 | 2 | 7 | 9 | 3 | 3 | 2 | 5 | 2 | 2 | 3 | 3 | 8 | 8 | 2 | 3 | 3 | 5 | 0 | 7 | 3 | 9 | 2 | 2 | 6 | 6 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | 7 | 6 | 6 | 9 | 1 | 5 | 1 | 9 | 1 | 3 | 9 | 9 | 2 | 3 | 3 | 7 | 5 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |
| | | * TOTALS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|-----|
| Pigmentation | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
|--------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|-----|

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|-----|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Foreign Body | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.2 | |
| | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.0 | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.5 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|-----|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Cornea, Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.0 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Hydronephrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.0 |
| Infarct | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.0 |
| Nephropathy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 16 |
| | 1 | | | 2 | | | | | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.4 |

* .. 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
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE MALE
25 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|--------------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------|----------|---|--|
| | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | |
| | 1 | 2 | 2 | 7 | 1 | 2 | 7 | 2 | 2 | 2 | 7 | 7 | 2 | 2 | 6 | 6 | 2 | 3 | 7 | 2 | 6 | 3 | 7 | 1 | | 7 | |
| 1 | 0 | 7 | 2 | 7 | 9 | 3 | 3 | 2 | 5 | 2 | 2 | 3 | 3 | 8 | 8 | 2 | 3 | 3 | 5 | 0 | 7 | 3 | 9 | 2 | | | |
| 7 | 6 | 6 | 9 | 1 | 5 | 1 | 9 | 1 | 3 | 9 | 9 | 2 | 3 | 3 | 7 | 5 | 1 | 1 | 3 | 4 | 4 | 1 | 1 | 9 | | | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | | | |
| 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| Papilla, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | 2.0 | | | |
| Renal Tubule, Dilatation, Focal | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| Renal Tubule, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 2.0 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 2.0 | | | |
| Urinary Bladder | | | | | | | | | | | | | | | | | | | | | | | | 50 | | | |
| Transitional Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 2.0 | | | |

*** END OF MALE DATA ***

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

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

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |
|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|
| | 0
7
3
3 | 0
7
1
5 | 0
7
3
3 | 0
0
9
5 | 0
7
3
3 | 0
7
3
2 | 0
7
3
2 | 0
7
3
2 | 0
2
9
6 | 0
5
6
4 | 0
7
3
3 | 0
7
3
3 | 0
7
3
3 | 0
7
3
3 | 0
6
9
1 | 0
6
6
9 | 0
7
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0 | 0
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7
3 | 0
7
3
2 | 0
6
2
8 | 0
7
3
2 | 0
1
4
2 | 0
7
3
2 | | |
| 0 MG/KG | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |
| | 0
0
2
5
1 | 0
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2
5
2 | 0
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3 | 0
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2
5
4 | 0
0
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7 | 0
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8 | 0
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2 | 0
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3 | 0
0
2
7
4 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder
Inflammation, Acute
Epithelium, Cytoplasmic Alteration | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | A | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + |
| Intestine Small, Ileum | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum
Hyperplasia, Lymphoid
Epithelium, Hyperplasia | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | X | | | | |
| Clear Cell Focus | | | | | X | X | | | | | | | | | | | | | | | | | | |
| Cyst | | | | | 3 | | | | | | | | | | | | | | | | | | | |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | 2 | | | | | | | | 3 | | | |
| Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | |

* .. 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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) |
|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|
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6 | 0
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2 | 0
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8 | 0
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| 0 MG/KG | 0
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4 | 0
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2 | 0
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2
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3 | 0
0
2
6
4 | 0
0
2
6
5 | |

Mixed Cell Focus
 Necrosis, Focal
 Tension Lipidosis
 Hepatocyte, Vacuolization Cytoplasmic
 Kupffer Cell, Hyperplasia

4 3 2 3 3

Mesentery
 Necrosis
 Fat, Necrosis

+ 2 + 2 3 + + 1

Pancreas
 Atrophy
 Basophilic Focus
 Cyst
 Infiltration Cellular, Lymphocyte
 Acinus, Cytoplasmic Alteration

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

Salivary Glands
 Infiltration Cellular, Lymphocyte

+ M + + + + + + + + + + + + + + + + + + 3 3 + + 2

Stomach, Forestomach

+ +

Stomach, Glandular
 Cyst
 Epithelium, Hyperplasia

+ A + 2

CARDIOVASCULAR SYSTEM

Heart
 Mineralization

+ 1

* .. 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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Lab: SRI

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0
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6 | 0
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3 | 0
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9
1 | 0
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9 | 0
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3 | 0
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2 | 0
7
3
2 | 0
6
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8 | 0
7
3
2 | 0
7
3
2 | 0
1
4
2 | 0
7
3
2 | females
(cont...) |
| | ANIMAL ID | 0
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1 | 0
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8 | 0
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9 | 0
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3 | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Accessory Adrenal Cortical Nodule | | | 3 | | | | | | 3 | | | | | | | | 3 | 3 | | | | | | |
| Degeneration, Fatty | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Focal | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| Capsule, Hyperplasia | | | 2 | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | + | + | + | + | + | M | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Cytoplasmic Alteration, Focal | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Hyperplasia, Focal | 1 | | | 1 | | | | | | | | | | 2 | | | | | | | | | | 2 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Follicle, Cyst | | | | | 3 | | | | | | | | | | | | | | | | | | | |
| Follicle, Degeneration, Focal | 1 | | 2 | | 2 | 1 | 1 | 2 | | | 2 | 3 | | 2 | 3 | 2 | | 3 | | 2 | 4 | 3 | | 1 |

GENERAL BODY SYSTEM

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

* .. 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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 BLANK .. Not examined microscopically
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 Lab: SRI

| B6C3F1 MICE FEMALE
0 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | | | |
|-------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | 0
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4 | 0
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3 | 0
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3 | 0
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3 | 0
7
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3 | 0
6
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1 | 0
6
6
9 | 0
7
3
2 | 0
3
7
3 | 0
7
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2 | 0
6
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8 | | | 0
7
3
2 | 0
1
4
2 | 0
7
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| | 0
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2 | 0
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3 | 0
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4 | 0
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7
5 |

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | |
| Ovary | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Angiectasis | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | 3 | | | | | | | 3 | | | | | | | | | | 3 | 3 | | | 3 | | | |
| Hemorrhage | | | | | | | | | | 2 | | | 2 | | | | | | | | | | 2 | | |
| Thrombosis | | | | | | | | | | | | 4 | | | | | | | | | | | | | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Angiectasis | | | | | | | | | | | | | | | | | | | | 4 | | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | 3 | | | |
| Inflammation, Suppurative | | | | | | | | | | | | 3 | | | | | | | | | | | | | |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | 3 | | | |
| Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Endometrium, Hyperplasia, Cystic | 4 | | 4 | | 3 | 2 | 3 | 4 | 1 | | 4 | 2 | 2 | 3 | 4 | 2 | 3 | 1 | 1 | 2 | 3 | | 4 | | 1 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | | | | | 2 | | | | | 4 | 3 | | 4 | 3 | 2 | | | | 4 | 3 | | |
| Lymph Node | | + | | | | | | | + | | | | | + | | | | | | | | | | | |
| Iliac, Ectasia | | | | | | | | | | | | | | | | | | | | | | 4 | | | |
| Iliac, Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Ectasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | 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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 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
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| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) |
|--------------------|-----------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------|
| | 0
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8 | 0
7
3
2 | 0
1
4
2 | 0
7
3
2 | | | |
| 0 MG/KG | 0
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7 | 0
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1 | 0
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0
2
6
2 | 0
0
0
2
6
3 | 0
0
0
2
6
4 | 0
0
0
2
6
5 | |

Hematopoietic Cell Proliferation
Hyperplasia, Lymphoid
Pigmentation

1 2 3 2 2

Lymph Node, Mesenteric
Ectasia
Hemorrhage
Hyperplasia, Lymphoid
Pigmentation

+ A + + + + + + + + + + + + + + I + + + + + + + +
2 3 3

Spleen
Amyloid Deposition
Hematopoietic Cell Proliferation
Pigmentation
Lymphoid Follicle, Hyperplasia

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

Thymus
Atrophy
Hemorrhage
Hyperplasia, Lymphoid

+ + + + + + + + + A M + + I + + + + + + + + + + + +
2 2 3 3 2

INTEGUMENTARY SYSTEM

Mammary Gland
Hyperplasia

+
1 3

Skin
Ulcer

+
2 3

MUSCULOSKELETAL 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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |
|--------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------------|
| | 0
7
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2 | | | |
| 0 MG/KG | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | |
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|---------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|---|--|--|--|--|--|--|--|
| Bone | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibrosis | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Fracture | | | | | | | | | | | | | | | | | | | | | | | | | |
| Femur, Hyperostosis | 3 | | | | | | | | | | | | | | | X | | | | | | | | | |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | + | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|
| Brain | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Compression | | | | | | | | | | | | | | | | | | 4 | | | | | | | |
| Cyst Epithelial Inclusion | | | | | | | | | | | | | | | | | | X | | | | | | | |
| Necrosis | | | | | | | | | | | | | | | | | | 2 | | | | | | | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|---|--|--|--|--|--|--|--|
| Lung | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | 3 | | | | | | | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| Nose | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Foreign Body | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| Trachea | + | | | | | | | | | | | | | | | | | | | | | | | | |

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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) |
|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|
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4
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| 0 MG/KG | 0
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5 | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye
Inflammation, Chronic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland
Hyperplasia, Focal | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney
Cyst | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infarct | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | |
| Nephropathy | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Accumulation, Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder
Infiltration Cellular, Lymphocyte | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. 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. 99037 - 06
Test Type: CHRONIC
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Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
alpha/beta Thujone mixture
CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
Time Report Requested: 13:12:57
First Dose M/F: 06/30/03 / 06/30/03
Lab: SRI

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 MG/KG | ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| * TOTALS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----------|------------|------------|
| Esophagus | + | | | | | | | | | | | | | | | | | | | | | | | | | | | 50 | | |
| Gallbladder | + | | | | | | | | | | | | | | | | | | | | | | | | | | | 43 | | |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1.0 |
| Epithelium, Cytoplasmic Alteration | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 | 2.0 |
| Intestine Large, Cecum | + | | | | | | | | | | | | | | | | | | | | | | | | | | | 48 | | |
| Intestine Large, Colon | + | | | | | | | | | | | | | | | | | | | | | | | | | | | 49 | | |
| Intestine Large, Rectum | + | | | | | | | | | | | | | | | | | | | | | | | | | | | 49 | | |
| Intestine Small, Duodenum | + | | | | | | | | | | | | | | | | | | | | | | | | | | | 46 | | |
| Intestine Small, Ileum | + | | | | | | | | | | | | | | | | | | | | | | | | | | | 48 | | |
| Intestine Small, Jejunum | + | | | | | | | | | | | | | | | | | | | | | | | | | | | 47 | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | |
| Liver | + | | | | | | | | | | | | | | | | | | | | | | | | | | | 50 | | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 1 | 3.0 |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Clear Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | 3 |
| Hematopoietic Cell Proliferation | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2.7 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | 2 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|--------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|
| | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | | |
| 0 MG/KG | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
| | 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 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | |

Mixed Cell Focus X 1
 Necrosis, Focal 1 4 2.5
 Tension Lipidosis 1
 Hepatocyte, Vacuolization Cytoplasmic 2 3 2 7.2.9
 Kupffer Cell, Hyperplasia 3 2.5

Mesentery + + + + 10
 Necrosis 1 2.0
 Fat, Necrosis 2 4 4 3 2 8 2.6

Pancreas + A + 48
 Atrophy 2 2.5
 Basophilic Focus X 1
 Cyst 1 3.0
 Infiltration Cellular, Lymphocyte 3 3.0
 Acinus, Cytoplasmic Alteration 3 3.0

Salivary Glands + 49
 Infiltration Cellular, Lymphocyte 3 3 2 3 2 3 11 2.6

Stomach, Forestomach + 50

Stomach, Glandular + A + 48
 Cyst 3 3 2 3.0
 Epithelium, Hyperplasia 1 2.0

CARDIOVASCULAR SYSTEM

Heart + 50
 Mineralization 1 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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| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|--------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | |
| 0 MG/KG | 0076 | 0077 | 0078 | 0079 | 0080 | 0081 | 0082 | 0083 | 0084 | 0085 | 0086 | 0087 | 0088 | 0089 | 0090 | 0091 | 0092 | 0093 | 0094 | 0095 | 0096 | 0097 | 0098 | 0099 | 50 |
| | 0076 | 0077 | 0078 | 0079 | 0080 | 0081 | 0082 | 0083 | 0084 | 0085 | 0086 | 0087 | 0088 | 0089 | 0090 | 0091 | 0092 | 0093 | 0094 | 0095 | 0096 | 0097 | 0098 | 0099 | 7 3.0 |
| | 0076 | 0077 | 0078 | 0079 | 0080 | 0081 | 0082 | 0083 | 0084 | 0085 | 0086 | 0087 | 0088 | 0089 | 0090 | 0091 | 0092 | 0093 | 0094 | 0095 | 0096 | 0097 | 0098 | 0099 | 1 3.0 |
| | 0076 | 0077 | 0078 | 0079 | 0080 | 0081 | 0082 | 0083 | 0084 | 0085 | 0086 | 0087 | 0088 | 0089 | 0090 | 0091 | 0092 | 0093 | 0094 | 0095 | 0096 | 0097 | 0098 | 0099 | 2 2.0 |
| | 0076 | 0077 | 0078 | 0079 | 0080 | 0081 | 0082 | 0083 | 0084 | 0085 | 0086 | 0087 | 0088 | 0089 | 0090 | 0091 | 0092 | 0093 | 0094 | 0095 | 0096 | 0097 | 0098 | 0099 | 1 2.0 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|----|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Accessory Adrenal Cortical Nodule | | | | | | | | | | | 3 | | | | | | | | | | | 3 | | | 7 3.0 | |
| Degeneration, Fatty | | | | | | | | | | | 3 | | | | | | | | | | | | | | 1 3.0 | |
| Hyperplasia, Focal | | | 2 | | | | | | | | | | | | | | | | | | | | | | 2 2.0 | |
| Capsule, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hyperplasia | | | | 1 | | | | | | | | | | | | | | | | | | | | | 1 1.0 | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Hyperplasia | 1 | | | | | | | | | | | | | | | | | | | | | | A | + | 1 1.0 | |
| Parathyroid Gland | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | M | + | + | 45 |
| Cyst | | | | | | | | | | | 3 | | | | | | | | | | | | | | 2 3.0 | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Pars Distalis, Cyst | | | | | | | | | | | 3 | | 3 | | | | | | | | | | | 3 | 3 3.0 | |
| Pars Distalis, Cytoplasmic Alteration, Focal | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Pars Distalis, Hyperplasia, Focal | | | | | 2 | | 2 | | | | | | 1 | 2 | | | | | | | | | | 2 | 9 1.7 | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Follicle, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Follicle, Degeneration, Focal | 2 | | | 1 | | | | | | | | | | | | | | | | | | | | | 28 2.1 | |

GENERAL BODY SYSTEM

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

| B6C3F1 MICE FEMALE | 0 MG/KG | 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 | 0 | 0 | | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 2 | 7 | | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 0 | 8 | 4 | 3 | | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 3 | 1 | 1 | 1 | 1 | 1 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | | |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 0 | | |

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Ovary | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Cyst | | | | | 3 | | 3 | | 3 | 3 | 3 | 3 | | | 3 | | | 3 | | 3 | | | | 3 | 15 3.0 |
| Hemorrhage | | | | | | | | 3 | | 3 | | | | | | | 2 | | | | 2 | | | | 7 2.3 |
| Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Thrombosis | | | | | 3 | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Endometrium, Hyperplasia, Cystic | 3 | 3 | | 1 | 2 | 4 | | 4 | 4 | 3 | 4 | | 4 | 4 | | 4 | 1 | | 3 | 4 | 4 | 4 | 1 | 3 | 39 2.9 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hyperplasia | 3 | | | | 2 | 2 | | 2 | | | 3 | | | | 2 | | | 2 | | | 3 | 4 | 2 | 3 | 19 2.8 |
| Lymph Node | + | | | | | | | | | | | | | | | | | | | | | | | + | 6 |
| Iliac, Ectasia | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Iliac, Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | 2 | | 1 2.0 |
| Mediastinal, Ectasia | | | | | | | | | | | | | | | | | | | | | | | 3 | | 1 3.0 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | 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

| B6C3F1 MICE FEMALE
0 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|----------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | |
| ANIMAL ID | 0076 | 0077 | 0078 | 0079 | 0080 | 0081 | 0082 | 0083 | 0084 | 0085 | 0086 | 0087 | 0088 | 0089 | 0090 | 0091 | 0092 | 0093 | 0094 | 0095 | 0096 | 0097 | 0098 | 0099 | |
| Hematopoietic Cell Proliferation | 2 | | | | | | | | | | | | | | | | | | 2 | | | | | | |
| Hyperplasia, Lymphoid | | | | | | 2 | | | | 3 | | | | | | | 2 | 2 | | | | | 2 | | |
| Pigmentation | | | | | | 3 | | | | | | | | | | | | | 3 | | | 3 | | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | |
| Ectasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | 3 | | | | | | | | | | | | 4 | | | |
| Hyperplasia, Lymphoid | | | | 4 | | | | | | 3 | | | | | | | | 2 | | | | | | | |
| Pigmentation | | | | | | | | | | 3 | | | | | | | | | | | | | | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Amyloid Deposition | | | | | | 3 | | | | | | | | | | | | | | | | | | | |
| Hematopoietic Cell Proliferation | 4 | | 1 | 3 | 3 | 3 | 2 | 2 | 1 | 2 | 2 | 1 | | 2 | 3 | | 1 | 3 | 1 | | 2 | 3 | 3 | 3 | |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoid Follicle, Hyperplasia | | | 2 | | | | | | 2 | | | | | | | | 2 | 2 | 3 | 3 | 2 | | | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | 1 | | | 1 | | | | | | | | | | | | | | | | | 1 | | 3 | | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia | | | | | | 1 | | | | 1 | | | | | | | | | | | | | | 1 | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | |
| MUSCULOSKELETAL 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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE FEMALE
0 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|-----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------|--|
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6 | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Fracture | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Femur, Hyperostosis | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Compression | | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 | |
| Cyst Epithelial Inclusion | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.5 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.5 | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Foreign Body | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | 2 1.0 | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| 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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|--------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | |
| 0 MG/KG | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0076 | 0077 | 0078 | 0079 | 0080 | 0081 | 0082 | 0083 | 0084 | 0085 | 0086 | 0087 | 0088 | 0089 | 0090 | 0091 | 0092 | 0093 | 0094 | 0095 | 0096 | 0097 | 0098 | 0099 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|
| Eye Inflammation, Chronic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 | 1.0 |
| Harderian Gland Hyperplasia, Focal | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 | 1.0 |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3.0 |
| Infarct | | | 3 | | | | | | | | | | | | | | | | | | | | | | | 2 | 2.5 |
| Infiltration Cellular, Lymphocyte | | | | | | 2 | | | | | | | | | | | | | | | | | | | | 3 | 2.3 |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3.0 |
| Metaplasia, Osseous | | | | | | | | | 3 | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Nephropathy | | | 1 | | | | | | | 1 | | | | 1 | | | | | | | | | | | | 4 | 1.5 |
| Renal Tubule, Accumulation, Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Renal Tubule, Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | 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
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE FEMALE
3 MG/KG | DAY ON TEST | | ANIMAL ID | | | | | | | | | | | | | | | | | | | | females
(cont...) | | | |
|-------------------------------|-------------|------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|------|------|--|
| | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | | 0732 | 0732 | |
| | 0 | 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 | 5 | 0 | 7 | 7 | 7 | 7 | 7 | 7 | 0 | 7 | 7 | 7 | 6 | 7 | 0 | 0 | 7 | 7 | |
| | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 5 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 0 | 3 | 3 | 9 | 3 | 0 | 0 | 3 | 1 | |
| | 2 | 2 | 7 | 2 | 3 | 3 | 3 | 4 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 4 | 2 | 4 | 3 | 3 | 5 | 3 | 3 | 9 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | 1 | 2 | 3 | 4 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation, Acute | | | | | | | | 3 | | | | | | | 3 | | | | | | 4 | 4 | | |
| Ulcer | | | | | | | | | | | | | | | 4 | | | | | | | 4 | 4 | |
| Gallbladder | + | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | A | + | I | + | + | + |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | I | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basophilic Focus | | | | X | | | | | | | | | | | | | | | | | | | | |
| Clear Cell Focus | | | | | X | | | | | | | | | | | | | | | | | | | |
| Eosinophilic Focus | | | | X | | | | | | | | | | | X | | | | | | | | | |
| Hematopoietic Cell Proliferation | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | 3 | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | 3 | 2 | | | | | | | | | | | | | | | | | | | | |
| Mixed Cell Focus | | | | X | | | | | | | | | | | | | | X | | | | | X | |
| Necrosis, Focal | 1 | | | | | | | | | | | | | | | | | | 4 | | | | | |
| Necrosis, Diffuse | | | 2 | | | | | | | | | | | | | | | | | | | | | |
| Tension Lipidosis | | | | | | | | | | | | | | | | | | | | | | | | |

* .. 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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) |
|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|
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| 3 MG/KG | 0
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6 | |

Centrilobular, Necrosis
 Hepatocyte, Vacuolization Cytoplasmic
 Kupffer Cell, Hyperplasia

4 3

Mesentery
 Fat, Necrosis

+ 1 + 3 + 4

Pancreas
 Atrophy
 Basophilic Focus

+ +

Salivary Glands
 Infiltration Cellular, Lymphocyte

+
 3 2 2 3

Stomach, Forestomach
 Diverticulum

+ +

Stomach, Glandular
 Cyst

+ +

CARDIOVASCULAR SYSTEM

Heart
 Cardiomyopathy
 Inflammation, Acute
 Mineralization

+
 1 2

ENDOCRINE SYSTEM

Adrenal Cortex
 Accessory Adrenal Cortical Nodule

+
 3 3 3 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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------------|
| B6C3F1 MICE FEMALE | 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 | |
| | | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 0 | 7 | 7 | 7 | 7 | 7 | 7 | 0 | 7 | 7 | 7 | 6 | 7 | 0 | 0 | 7 | 7 | 0 | 0 | 7 | |
| 3 MG/KG | ANIMAL ID | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 5 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 0 | 3 | 3 | 9 | 3 | 0 | 0 | 3 | 3 | 0 | 3 | 1 | females
(cont...) |
| | | 2 | 2 | 7 | 2 | 3 | 3 | 3 | 4 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 4 | 2 | 2 | 4 | 3 | 3 | 5 | 3 | 3 | 5 | 3 | 9 | |

Hemorrhage
 Inflammation, Granulomatous
 Mineralization
 Granulosa Cell, Hyperplasia

2
1

Uterus
 Angiectasis
 Inflammation, Acute
 Thrombosis
 Endometrium, Hyperplasia, Cystic
 Myometrium, Hypertrophy

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

HEMATOPOIETIC SYSTEM

Bone Marrow
 Angiectasis
 Hyperplasia
 Myelofibrosis

+
 3
 3 2 2 2 3 3 4
 2

Lymph Node
 Bronchial, Atrophy
 Bronchial, Pigmentation
 Mediastinal, Atrophy
 Mediastinal, Pigmentation

+
 4
 3
 4
 3

Lymph Node, Mandibular
 Hyperplasia, Lymphoid
 Pigmentation

+ + + + + + + + + + + + M + + + + + M + + + + + + + +
 2 3 3 3 3

Lymph Node, Mesenteric
 Atrophy

+ +

* .. 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

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |
|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
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Hemorrhage 2 3 4
 Hyperplasia, Lymphoid 3 2 2
 Necrosis 3

Spleen +
 Hematopoietic Cell Proliferation 1 3 4 2 3 3 3 2 2 1 2 3 2 1 3 3 2 4 4 1 3
 Lymphoid Follicle, Hyperplasia 3 2 3 3

Thymus + + + + + + + + + + + + + + + + + + M + + + + +
 Atrophy 3 3
 Cyst 3 3
 Hemorrhage 3
 Hyperplasia, Lymphoid 3
 Inflammation, Chronic Active 3 4

INTEGUMENTARY SYSTEM

Mammary Gland +
 Hyperplasia 1 3

Skin +
 Edema 3
 Inflammation, Chronic Active 2
 Ulcer 4
 Subcutaneous Tissue, Inflammation, Chronic Active 3

MUSCULOSKELETAL SYSTEM

Bone +
 Fibrosis 2 2

* .. 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

TDMS No. 99037 - 06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010

Time Report Requested: 13:12:57

First Dose M/F: 06/30/03 / 06/30/03

Lab: SRI

| B6C3F1 MICE FEMALE
3 MG/KG | 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 | 5 | 0 | 7 | 7 | 7 | 7 | 7 | 7 | 0 | 7 | 7 | 7 | 6 | 7 | 0 | 0 | 7 | 7 | | | | | | | | | | | | | | | | |
| | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 5 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 0 | 3 | 3 | 9 | 3 | 0 | 0 | 3 | 1 | | | | | | | | | | | | | | | | |
| ANIMAL ID | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 4 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 |

Skeletal Muscle +

NERVOUS SYSTEM

Brain +
Artery, Meninges, Inflammation, Chronic Active 2

RESPIRATORY SYSTEM

Lung +
Fibrosis 3
Foreign Body X X X X
Inflammation, Suppurative X X
Inflammation, Granulomatous 3
Inflammation, Acute 3 4
Inflammation, Chronic Active 3
Alveolar Epithelium, Hyperplasia 1

Nose +
Foreign Body X X X
Inflammation, Chronic 1 1

Trachea +

SPECIAL SENSES SYSTEM

Eye +
Atrophy 4
Inflammation, Chronic 3
Cornea, Hyperplasia

* .. 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

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|----------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE FEMALE | 3 MG/KG | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 0 | 7 | 7 | 7 | 7 | 7 | 7 | 0 | 7 | 7 | 7 | 6 | 7 | 0 | 0 | 7 | 7 | 0 | 0 | 7 | 7 | 0 | 0 | 7 | 7 |
| | | | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 5 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 0 | 3 | 3 | 9 | 3 | 0 | 0 | 3 | 3 | 0 | 0 | 3 | 3 | 3 | 3 | 1 | 1 |
| | | | 2 | 2 | 7 | 2 | 3 | 3 | 3 | 4 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 4 | 2 | 2 | 4 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 9 | 9 |
| | | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | | 1 | 2 | 3 | 4 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |

females
(cont...)

Harderian Gland
Hyperplasia, Focal

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | |

URINARY SYSTEM

Kidney
 Cyst
 Glomerulosclerosis
 Infarct
 Infiltration Cellular, Lymphocyte
 Metaplasia, Osseous
 Nephropathy
 Renal Tubule, Accumulation, Hyaline Droplet
 Urinary Bladder
 Infiltration Cellular, Lymphocyte

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | 1 | 1 | 1 | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
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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
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 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
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TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 5 | 6 | 5 | 7 | 0 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 3 MG/KG | | 3 | 3 | 3 | 3 | 0 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 6 | 6 | 8 | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | 3 | 3 | 3 | 3 | 6 | 3 | 4 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 7 | 2 | 6 | 9 | 5 | 2 | 5 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | |
| | | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0 | |
| * TOTALS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|-------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Inflammation, Acute | | | | | 4 | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | | | 6 3.7 |
| Ulcer | | | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 4.0 |
| Gallbladder | + | + | + | + | A | + | I | + | + | + | + | + | + | + | A | + | A | + | + | + | A | + | + | M | | | | | | | | | | | | | 39 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Small, Duodenum | M | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 44 | |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | 2 | |
| Clear Cell Focus | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Eosinophilic Focus | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Hematopoietic Cell Proliferation | 3 | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | 3 2.3 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Inflammation, Chronic Active | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | 3 2.3 |
| Mixed Cell Focus | | | | | | | X | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | 5 | |
| Necrosis, Focal | 1 | | | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | 6 1.7 | |
| Necrosis, Diffuse | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Tension Lipidosis | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | 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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE FEMALE
3 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------|-----|
| | 0733 | 0733 | 0733 | 0733 | 0736 | 0733 | 0752 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | | | | | | |
| ANIMAL ID | 00327 | 00328 | 00329 | 00330 | 00331 | 00332 | 00333 | 00334 | 00335 | 00336 | 00337 | 00338 | 00339 | 00340 | 00341 | 00342 | 00343 | 00344 | 00345 | 00346 | 00347 | 00348 | 00349 | 00350 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
| Centrilobular, Necrosis | | | | | | | 1 | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Hepatocyte, Vacuolization | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 3.7 |
| Kupffer Cell, Hyperplasia | | | | | | | 2 | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | 6 | |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 3.3 |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | | | | 49 | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | | | | 48 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | 13 | 2.4 |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | | | | 49 | |
| Diverticulum | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Stomach, Glandular | | | | | | | | | | | | | | | | | | | | | | | | | 49 | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heart | | | | | | | | | | | | | | | | | | | | | | | | | 49 | |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2.0 |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex | | | | | | | | | | | | | | | | | | | | | | | | | 49 | |
| Accessory Adrenal Cortical Nodule | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 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

| B6C3F1 MICE FEMALE | 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 | |
| 3 MG/KG | 7 | 7 | 7 | 7 | 0 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 5 | 6 | 5 | 7 | 0 | 7 | 7 | |
| | 3 | 3 | 3 | 3 | 0 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 6 | 6 | 8 | 3 | 0 | 3 | 3 | |
| | 3 | 3 | 3 | 3 | 6 | 3 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 7 | 2 | 6 | 9 | 5 | 2 | 5 | 2 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | |
| | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|-----|
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | 2 | 1 | 2.0 | |
| Capsule, Hyperplasia | | | | | | | | 3 | 1 | 2 | | | | | | | | | | | | 1 | 5 | 1.8 | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | 47 | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Parathyroid Gland | + | + | M | M | M | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | 42 | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Pars Distalis, Cyst | | | 3 | | | | | | | | | | | | | 3 | | | | | | | | 2 | 3.0 |
| Pars Distalis, Hyperplasia, Focal | 2 | | | | | | | | | | | | | | | | | | | | | 1 | 4 | 1.5 | |
| Thyroid Gland | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Follicle, Cyst | | | 3 | | | | | | | | | | | | | | | | | | | | | 2 | 3.0 |
| Follicle, Degeneration, Focal | | | | 3 | | | | 2 | | 3 | | 1 | 3 | | | 3 | | 2 | | | | | | 15 | 2.3 |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|-----|
| Clitoral Gland | + | + | + | + | + | + | + | + | I | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 46 | |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Cyst | | | | 3 | | 3 | | | 3 | 3 | | 3 | 3 | | 3 | | | 3 | | | | 3 | 14 | 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

| B6C3F1 MICE FEMALE
3 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | |
|----------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|--------|--------|
| | 0733 | 0733 | 0733 | 0733 | 0736 | 0733 | 0734 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | | 0733 | | | | |
| ANIMAL ID | 00327 | 00328 | 00329 | 00330 | 00331 | 00332 | 00333 | 00334 | 00335 | 00336 | 00337 | 00338 | 00339 | 00340 | 00341 | 00342 | 00343 | 00344 | 00345 | 00346 | 00347 | 00348 | 00349 | 00350 | | |
| Hemorrhage | | | | | | | | 2 | | 3 | | | | | | | | 2 | | | | | | | 5 2.0 | |
| Inflammation, Granulomatous | | | | | | | | | | 3 | | | | | | | | | | | | | | | 1 3.0 | |
| Mineralization | | | | | | | | | | 3 | | | | | | | | | | | | | | | 1 3.0 | |
| Granulosa Cell, Hyperplasia | | | | | | | | | | | | | | | 3 | | | | | | | | | | 1 3.0 | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Inflammation, Acute | | | | | | | | | | | | 2 | | | | | | | | | | | | | 1 2.0 | |
| Thrombosis | | | | | | | | | | | | | | | | | | | | | | 4 | | | 1 4.0 | |
| Endometrium, Hyperplasia, Cystic | 2 | | 2 | | | | | | 1 | 1 | | 2 | 2 | 1 | 3 | | 2 | | | | 4 | 4 | | 4 | 2 | 26 2.3 |
| Myometrium, Hypertrophy | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Hyperplasia | 3 | | | | 4 | 3 | 3 | | 3 | | | 3 | | 2 | 2 | | 3 | 4 | 3 | | 4 | 3 | | | 20 3.0 | |
| Myelofibrosis | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| Bronchial, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 | |
| Bronchial, Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Mediastinal, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 | |
| Mediastinal, Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | 46 | |
| Hyperplasia, Lymphoid | | | | | | | 2 | | | | | | | | 2 | | | | | 3 | | | | | 6 2.5 | |
| Pigmentation | | | | | | | | 3 | | | | | | | | | | | | | | | | | 3 3.0 | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Atrophy | | | | | | | | 3 | | | | | | | | | | | | | | | | | 2 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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1) Minimal 3) Moderate

2) Mild 4) Marked

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|-----|
| | 0733 | 0733 | 0733 | 0733 | 0036 | 0073 | 0075 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0067 | 0075 | 0066 | 0068 | 0073 | | 0077 | 0077 | | |
| 3 MG/KG | ANIMAL ID | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | |
| | 00327 | 00328 | 00329 | 00330 | 00331 | 00332 | 00333 | 00334 | 00335 | 00336 | 00337 | 00338 | 00339 | 00340 | 00341 | 00342 | 00343 | 00344 | 00345 | 00346 | | 00347 | 00348 | 00349 | |
| Hemorrhage | | | | | | | | | | | | | | | | 2 | | | | | | | | 4 | 2.8 |
| Hyperplasia, Lymphoid | | | | | 2 | | 2 | | | | | | | | | | | 2 | | | | | | 6 | 2.2 |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Hematopoietic Cell Proliferation | 4 | 1 | | | | 4 | 3 | 2 | 3 | | 2 | 2 | 3 | 2 | 2 | 1 | 3 | 4 | 4 | 2 | 3 | 4 | 39 | 2.6 | |
| Lymphoid Follicle, Hyperplasia | | | | | | | | | | 2 | 3 | 3 | | 3 | 2 | | | | | 2 | | | 14 | 2.5 | |
| Thymus | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | M | + | + | + | M | + | 45 | | |
| Atrophy | | | | | 3 | 3 | 3 | | | | | | | | | | | | | 2 | | | 8 | 2.9 | |
| Cyst | | | | | | 3 | | | | | | | | | | | | | | | | | 1 | 3.0 | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | |
| Inflammation, Chronic Active | | | | | 4 | | | | | | | | | | | | | | | | | | 3 | 3.7 | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Hyperplasia | | | | | | | | | | | | | | | | 2 | 2 | | | 1 | | | 5 | 1.8 | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Edema | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 | |
| Subcutaneous Tissue, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Fibrosis | | | | | | | | | | | | | | | | | | | | | | | 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
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
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 1) Minimal 3) Moderate
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TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|---------------------------|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| DAY ON TEST | | 7 | 7 | 7 | 7 | 0 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 5 | 6 | 5 | 7 | 0 | 7 | 7 | 7 | 7 | 0 | 7 | 7 | 7 | 0 | 7 | 7 | 7 | 7 | | |
| B6C3F1 MICE FEMALE | | 3 | 3 | 3 | 3 | 0 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 6 | 6 | 8 | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | 3 MG/KG | 3 | 3 | 3 | 3 | 6 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 7 | 2 | 6 | 9 | 5 | 2 | 5 | 2 | 5 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| 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 | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 0 | |
| | | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | * TOTALS |

Skeletal Muscle

2

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Artery, Meninges, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|-------|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | | |
| Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Foreign Body | | | | | X | | X | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | 8 | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 | |
| Inflammation, Granulomatous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Inflammation, Acute | | | | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 3.5 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 3.5 | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Foreign Body | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Inflammation, Chronic | | | | | | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | 4 1.0 | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|-------|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.0 |
| Cornea, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.0 | |

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

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

TDMS No. 99037 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
alpha/beta Thujone mixture
CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
Time Report Requested: 13:12:57
First Dose M/F: 06/30/03 / 06/30/03
Lab: SRI

| DAY ON TEST | B6C3F1 MICE FEMALE | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|
| | 3 MG/KG | | | | | | | | | | | | | | | | | | | | | | | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 7 | 7 | 7 | 7 | 0 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 5 | 6 | 5 | 7 | 0 | 7 | 7 | 7 |
| 3 | 3 | 3 | 3 | 3 | 0 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 6 | 6 | 8 | 3 | 0 | 3 | 3 | 3 |
| 3 | 3 | 3 | 3 | 3 | 6 | 3 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 7 | 2 | 6 | 9 | 5 | 2 | 5 | 2 | 2 | 2 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | |
| | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| Harderian Gland
Hyperplasia, Focal | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | 1 3.0 |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--------|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Cyst | | | | | | | | | | 3 | | | | 3 | | | | | | | | | | | 3 3.0 |
| Glomerulosclerosis | | | | | | 3 | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Infarct | | | | | | | | 2 | 3 | | | | 2 | | | | | | | | | | | | 5 2.4 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | 3 | | | 2 | | 3 | | 2 | | 2 | | | 2 | | | 9 2.6 |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | 2 | | | | | | | | | 1 2.0 |
| Nephropathy | 1 | | | | | 3 | | 2 | 1 | | 1 | | | | 1 | | | 1 | | | | | | | 11 1.3 |
| Renal Tubule, Accumulation, Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | | | | | 2 3.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Infiltration Cellular, Lymphocyte | | | 2 | | | | | | | | | | | | | | | | | | | | | | 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. 99037 - 06
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 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

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 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|----------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0
7 | 0
7 | 0
7 | 0
7 | 0
4 | 0
7 | 0
7 | 0
6 | 0
7 | 0
7 | 0
7 | 0
6 | 0
7 | 0
7 | 0
7 | 0
6 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | |
| | 6 MG/KG | 3
2 | 3
2 | 3
2 | 3
2 | 8
3 | 3
3 | 3
3 | 8
2 | 3
3 | 3
3 | 3
2 | 4
6 | 3
2 | 3
2 | 3
1 | 3
1 | 3
1 | 3
1 | 3
1 | 3
1 | 3
3 | 3
3 | 3
3 | 3
3 | 3
3 | |
| | ANIMAL ID | 0
0
3
5
1 | 0
0
3
5
2 | 0
0
3
5
3 | 0
0
3
5
4 | 0
0
3
5
5 | 0
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3
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5 | 0
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5 | 0
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5 | 0
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6 | 0
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6 | 0
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6 | 0
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6 | 0
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6 | 0
0
3
5
7 | 0
0
3
5
7 | 0
0
3
5
7 | 0
0
3
5
7 | 0
0
3
5
8 | females
(cont...) |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Submucosa, Edema | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gallbladder | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | A | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clear Cell Focus | X | | | | | | | | | | | | | | | | | | | | | | | | |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hematopoietic Cell Proliferation | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | 3 | | | | | | | | 1 |
| Necrosis, Focal | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| Tension Lipidosis | | | | | | | | | | | | | | | | X | | | | | | | | | |
| Centrilobular, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocyte, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocyte, Vacuolization Cytoplasmic | | | | | | 4 | | | 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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 Lab: SRI

| B6C3F1 MICE FEMALE

6 MG/KG | 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 | |
|-----------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|--|
| | | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | 3 | 3 | 3 | 3 | 8 | 3 | 3 | 8 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | 6 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 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 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 5 | |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 1 | females
(cont...) | |

Kupffer Cell, Hyperplasia

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|-----|--|
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acinus, Cytoplasmic Alteration | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 3 | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Diverticulum | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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1-4 .. Lesion qualified as:
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 2) Mild 4) Marked

| B6C3F1 MICE FEMALE

6 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | females
(cont...) | | | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | | 7 | 7 | 7 |
| | 3 | 3 | 3 | 3 | 8 | 3 | 3 | 8 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 2 | 6 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 |
| 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 |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
| Accessory Adrenal Cortical Nodule
Hyperplasia, Focal
Hypertrophy, Focal | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Medulla | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic
Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland
Cyst
Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland
Pars Distalis, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Thyroid Gland
Follicle, Degeneration, Focal | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Clitoral Gland | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Ovary
Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |

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| B6C3F1 MICE FEMALE
6 MG/KG | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------|
| | | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | | 0732 |
| ANIMAL ID | | 00351 | 00352 | 00353 | 00354 | 00355 | 00356 | 00357 | 00358 | 00359 | 00360 | 00361 | 00362 | 00363 | 00364 | 00365 | 00366 | 00367 | 00368 | 00369 | 00370 | 00371 | 00372 | 00373 | 00374 | 00375 | females (cont...) |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Uterus | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Endometrium, Hyperplasia, Cystic | | 2 | 1 | | 3 | | 3 | 2 | 1 | 2 | 2 | 4 | | 1 | 1 | 3 | 3 | 1 | 4 | 1 | | | | | | | 1 |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | 3 | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | | 2 | 3 |
| Lymph Node, Mesenteric | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hematopoietic Cell Proliferation | | 1 | | 2 | 4 | 3 | 4 | 3 | 2 | 3 | | 1 | 3 | 2 | 1 | | | | | 3 | 2 | 2 | 2 | | | | |
| Lymphoid Follicle, Hyperplasia | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thymus | | M | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + |

* .. 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

| B6C3F1 MICE FEMALE
6 MG/KG | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | females
(cont...) | |
|-------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|--|
| | | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | | 3 | 3 | 3 | 3 | 8 | 3 | 3 | 8 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | 6 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 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 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 0 | |

Atrophy
Hyperplasia, Lymphoid

2 3 3

INTEGUMENTARY SYSTEM

Mammary Gland
Hyperplasia

+ +

Skin

+ +

MUSCULOSKELETAL SYSTEM

Bone
Fibrosis
Fracture

+
X

NERVOUS SYSTEM

Brain

+ +

RESPIRATORY SYSTEM

Lung
Hemorrhage
Infiltration Cellular, Histiocyte
Infiltration Cellular, Lymphocyte
Inflammation, Acute
Metaplasia, Osseous
Alveolar Epithelium, Hyperplasia

+
2 2 2 3

Nose

+ +

* .. 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. 99037 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
alpha/beta Thujone mixture
CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
Time Report Requested: 13:12:57
First Dose M/F: 06/30/03 / 06/30/03
Lab: SRI

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0
7
3
2 | 0
7
3
2 | 0
7
3
2 | 0
7
3
2 | 0
7
3
2 | 0
7
3
2 | 0
7
3
2 | 0
7
3
2 | 0
7
3
2 | 0
7
3
2 | 0
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2 | 0
7
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2 | 0
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2 | 0
7
3
2 | 0
7
3
2 | 0
7
3
2 | 0
7
3
2 | 0
7
3
2 | 0
7
3
2 |
| | ANIMAL ID | 0
0
3
5
1 | 0
0
3
5
2 | 0
0
3
5
3 | 0
0
3
5
4 | 0
0
3
5
5 | 0
0
3
5
6 | 0
0
3
5
7 | 0
0
3
5
8 | 0
0
3
5
9 | 0
0
3
6
0 | 0
0
3
6
1 | 0
0
3
6
2 | 0
0
3
6
3 | 0
0
3
6
4 | 0
0
3
6
5 | 0
0
3
6
6 | 0
0
3
6
7 | 0
0
3
6
8 | 0
0
3
6
9 | 0
0
3
7
0 | 0
0
3
7
1 | 0
0
3
7
2 | 0
0
3
7
3 | 0
0
3
7
4 |

females
(cont...)

Inflammation, Chronic 1 1

Trachea +

SPECIAL SENSES SYSTEM

Eye +
Cataract 3
Inflammation, Chronic 2
Cornea, Hyperplasia 1

Harderian Gland +
Cyst 3
Hyperplasia, Focal 1
Infiltration Cellular, Lymphocyte 3

URINARY SYSTEM

Kidney +
Infarct 1 2
Infiltration Cellular, Lymphocyte 2
Metaplasia, Osseous
Nephropathy 1 1
Renal Tubule, Accumulation, Hyaline Droplet
Renal Tubule, Cytoplasmic Alteration
Renal Tubule, Pigmentation

Urinary Bladder +
Infiltration Cellular, Lymphocyte

* .. 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

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|
| B6C3F1 MICE FEMALE | 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 | * TOTALS | |
| | | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | | 7 |
| | | 9 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 0 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | | 3 |
| | | 8 | 2 | 2 | 2 | 2 | 2 | 2 | 8 | 4 | 2 | 3 | 3 | 9 | 2 | 3 | 3 | 3 | 7 | 3 | 3 | 2 | 2 | 2 | | 2 |
| 6 MG/KG | 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 | | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | | |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|
| Esophagus | + | + | + | + | + | + | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Submucosa, Edema | | | | | | | | | | | | | | | | 2 | | | | | | | | | 1 2.0 |
| Gallbladder | + | + | A | + | + | + | + | A | A | + | M | + | + | + | + | M | + | + | + | M | + | + | + | + | 43 |
| Intestine Large, Cecum | + | + | A | + | + | + | + | + | A | + | + | M | + | + | + | + | + | A | + | + | + | + | + | + | 46 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | 48 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Small, Duodenum | + | + | A | + | + | + | + | + | A | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | 45 |
| Intestine Small, Ileum | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | 45 |
| Intestine Small, Jejunum | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | 45 |
| Liver | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Angiectasis | | | | | | | | 1 | | | | | | | | | | | | | | | | | 1 1.0 |
| Clear Cell Focus | | | | | | | | | | | | X | | | | | | | X | | | X | | | 4 |
| Eosinophilic Focus | | | | | | | | | | | | X | | | | | | | | X | | | | | 3 |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | 3 | | | 2 | | | | | | | | | | 3 2.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.0 |
| Necrosis, Focal | | | | | | | 1 | | | | | | | | | | 1 | | | | | | | | 3 1.3 |
| Tension Lipidosis | | | | | | | | | | | | | | | | | | | X | | | | | | 2 |
| Centrilobular, Necrosis | | | | | | | | | 3 | | | | | | | 2 | | | | | | | | | 2 2.5 |
| Hepatocyte, Hyperplasia, Focal | | | | | | | | | | | | | | | | | 2 | | | | | | | | 1 2.0 |
| Hepatocyte, Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | | | | 2 3.5 |

* .. 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

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2) Mild 4) Marked

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE FEMALE
6 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | |
|-----------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|------|-------|----------|
| | 0698 | 0732 | 0652 | 0772 | 0777 | 0777 | 0666 | 0667 | 0777 | 0777 | 0777 | 0666 | 0777 | 0777 | 0777 | 0666 | 0777 | 0777 | 0777 | 0666 | | 0777 | 0777 | | |
| ANIMAL ID | 00376 | 00377 | 00378 | 00379 | 00380 | 00381 | 00382 | 00383 | 00384 | 00385 | 00386 | 00387 | 00388 | 00389 | 00390 | 00391 | 00392 | 00393 | 00394 | 00395 | 00396 | 00397 | | | |
| Kupffer Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | 3 | 1 3.0 | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 3 3.0 |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | | | | 48 |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | 2 4.0 |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | 2 3.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Acinus, Cytoplasmic Alteration | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | | | | 49 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | 3 19 2.5 |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | | | | 48 |
| Diverticulum | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | 2 1 2.0 |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 2 1 2.0 |
| Stomach, Glandular | | | | | | | | | | | | | | | | | | | | | | | | | 47 |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | 2 3.0 |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------|
| Heart | | | | | | | | | | | | | | | | | | | | | | | | | 50 |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|
| Adrenal Cortex | | | | | | | | | | | | | | | | | | | | | | | | | 49 |
|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|

* .. 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

| B6C3F1 MICE FEMALE
6 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | | |
|-----------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|------|------|------|------|------|
| | 0698 | 0732 | 0652 | 0732 | 0772 | 0772 | 0772 | 0668 | 0668 | 0772 | 0772 | 0772 | 0667 | 0772 | 0772 | 0772 | 0667 | 0772 | 0772 | 0772 | | 0667 | 0772 | 0772 | 0772 | 0667 | 0772 | 0772 |
| 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 |
| Accessory Adrenal Cortical Nodule | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hypertrophy, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Medulla | M | + | + | + | + | + | + | + | A | + | + | + | M | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Islets, Pancreatic | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pars Distalis, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Follicle, Degeneration, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ovary | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. 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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| B6C3F1 MICE FEMALE | 6 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | | | |
|----------------------------------|---------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|---|---|---|---|----|-----|-----|-----|
| | | 0698 | 0732 | 0652 | 0732 | 0772 | 0772 | 0668 | 0667 | 0777 | 0667 | 0677 | 0777 | 0667 | 0777 | 0777 | 0777 | 0667 | 0777 | 0777 | | | | | | | | | | |
| | | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | | | | | | | | | |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2 | 3.0 | | |
| Thrombosis | | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 | |
| Uterus | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 50 | | | |
| Angiectasis | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 3.0 | |
| Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 | |
| Endometrium, Hyperplasia, Cystic | | | 2 | | | 1 | | | 3 | 3 | 1 | | 3 | 2 | | 3 | 1 | | | 1 | 1 | 2 | 1 | 1 | | 4 | 2 | 2 | 34 | 2.0 |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 49 | | | |
| Hyperplasia | | 3 | 2 | | | 3 | | | 3 | | | | | 4 | 3 | 3 | | | | 2 | | | | 2 | | | | | 13 | 2.8 |
| Lymph Node | | | | | | + | | | | + | + | | | | | | | | | | | | | | | | | 3 | | |
| Lymph Node, Mandibular | | + | + | M | + | + | + | + | + | A | + | I | + | + | M | + | + | + | + | + | + | + | + | + | + | + | | 45 | | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | 1 | 2.0 |
| Hyperplasia, Lymphoid | | | | 1 | | | | | | | | | | 2 | | 2 | | 3 | | | | | | | | | | | 7 | 2.3 |
| Pigmentation | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | 4 | 3.0 |
| Lymph Node, Mesenteric | | + | + | + | + | + | + | + | + | A | + | + | + | + | M | + | + | + | M | + | + | + | + | + | + | + | | 46 | | |
| Atrophy | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | | 1 | 3.0 |
| Hyperplasia, Lymphoid | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | 2 | 2.5 |
| Spleen | | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 | | |
| Hematopoietic Cell Proliferation | | 4 | 2 | | 2 | 3 | 2 | 2 | 4 | | 3 | 1 | 3 | 3 | 4 | 1 | | 3 | 4 | 2 | 2 | | 3 | 1 | | 2 | | 36 | 2.4 | |
| Lymphoid Follicle, Hyperplasia | | | 3 | | 3 | | 2 | 3 | | | | | | | | | 3 | | | | | | 2 | | | 2 | | | 12 | 2.4 |
| Thymus | | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | | 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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE FEMALE
6 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|-----------------------------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|-----|-----|
| | 06 | 07 | 06 | 07 | 07 | 07 | 07 | 06 | 06 | 07 | 07 | 07 | 06 | 07 | 07 | 07 | 06 | 07 | 07 | 07 | | 07 | 07 |
| ANIMAL ID | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | |
| | 376 | 377 | 378 | 379 | 380 | 381 | 382 | 383 | 384 | 385 | 386 | 387 | 388 | 389 | 390 | 391 | 392 | 393 | 394 | 395 | 396 | 397 | 398 |
| Atrophy | 3 | | | | | | | | | | | | | | | | | | | | | | 5 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | 2 |
| | | | | | | | | | | | | | | | | | | | | | | | 2.6 |
| | | | | | | | | | | | | | | | | | | | | | | | 1.5 |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hyperplasia | 2 | | | | | | | | | | | | | | | | | | | | | | 3 |
| | | | | | | | | | | | | | | | | | | | | | | | 2.0 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Fibrosis | | | | | | 2 | | | | | | | | | | | | | | | | | 1 |
| Fracture | | | | | | | | | | | | X | | | | | | | | | | | 2 |
| | | | | | | | | | | | | | | | | | | | | | | | 2.0 |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | | | | | | 2.0 |
| | | | | | | | | | | | | | | | | | | | | | | | 3.0 |
| | | | | | | | | | | | | | | | | | | | | | | | 2.0 |
| | | | | | | | | | | | | | | | | | | | | | | | 3.0 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

* .. 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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE FEMALE
6 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|------|-------|--|
| | 0698 | 0732 | 0652 | 0732 | 0772 | 0772 | 0772 | 0666 | 0666 | 0777 | 0777 | 0777 | 0667 | 0777 | 0777 | 0777 | 0667 | 0777 | 0777 | 0777 | | 0777 | 0777 | | | |
| ANIMAL ID | 0076 | 0077 | 0078 | 0079 | 0080 | 0081 | 0082 | 0083 | 0084 | 0085 | 0086 | 0087 | 0088 | 0089 | 0090 | 0091 | 0092 | 0093 | 0094 | 0095 | 0096 | 0097 | 0098 | 0099 | | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | 2 1.0 | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Cataract | | | | | | | | | | | | | | | | | | | | | | | | | 2 3.0 | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.0 | |
| Cornea, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 2 1.0 | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Infarct | | | | | | | 2 | | | | | | | | | | | | | | | | | | 6 1.8 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | 2 | 3 | | | | | | | | 2 | 2 | 5 2.2 | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | | 2 1.5 | |
| Nephropathy | | | | | | 1 | | | | | 1 | | | | | | | | | | | | 1 | | 5 1.0 | |
| Renal Tubule, Accumulation, Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | | | | 3 | 1 3.0 | |
| Renal Tubule, Cytoplasmic Alteration | | | | | | | | | | | | | | | | | | | | | | | | 3 | 1 3.0 | |
| Renal Tubule, Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2 3.0 | |
| Urinary Bladder | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | 2 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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
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 Lab: SRI

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------------------|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0733 | 0733 | 0733 | 0668 | 0773 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0662 | 0772 | 0772 | 0772 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | females
(cont...) |
| | ANIMAL ID | 0040 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | |
| | | 0011 | 0012 | 0013 | 0014 | 0015 | 0016 | 0017 | 0018 | 0019 | 0020 | 0021 | 0022 | 0023 | 0024 | 0025 | 0026 | 0027 | 0028 | 0029 | 0030 | 0031 | 0032 | 0033 | 0034 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder Pigmentation | + | + | + | + | + | M | | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum Edema | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum Diverticulum | + | + | + | + | + | + | + | + | + | + | + | I | + | + | A | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Liver Basophilic Focus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver Clear Cell Focus | | | | | | | | | | | | | X | | | | | X | X | | X | | | |
| Liver Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | X |
| Liver Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | 2 3 |
| Liver Infiltration Cellular, Lymphocyte | 2 | | | | | | | | | | 2 | | | | | | | 2 | | 2 | | | | |
| Liver Inflammation, Chronic Active | | | | | | | | | | | | | 2 | | | | | | | | 1 | | | |
| Liver Mixed Cell Focus | | | | | | | | | X | | X | | | | | | | X | | | | | | X |

* .. 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. 99037 - 06
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 Lab: SRI

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | females (cont...) | |
|--------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------------------|------|
| | | 0733 | 0733 | 0738 | 0733 | 0732 | 0732 | 0732 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | | 0733 |
| 12 MG/KG | ANIMAL ID | 0040 | 0040 | 0040 | 0040 | 0040 | 0040 | 0040 | 0040 | 0040 | 0040 | 0040 | 0040 | 0040 | 0040 | 0040 | 0040 | 0040 | 0040 | 0040 | 0040 | 0040 | |

Necrosis, Diffuse
 Tension Lipidosis
 Hepatocyte, Vacuolization Cytoplasmic
 Kupffer Cell, Hyperplasia

Mesentery
 Fat, Necrosis

Pancreas
 Atrophy
 Cyst
 Infiltration Cellular, Lymphocyte

Salivary Glands
 Infiltration Cellular, Lymphocyte

Stomach, Forestomach
 Erosion
 Epithelium, Hyperplasia

Stomach, Glandular
 Cyst
 Epithelium, Cytoplasmic Alteration
 Epithelium, Hyperplasia

CARDIOVASCULAR SYSTEM

Heart
 Mineralization

ENDOCRINE 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

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | females
(cont...) |
|-----------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|
| | 0733 | 0733 | 0733 | 0678 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | |
| 12 MG/KG | ANIMAL ID | | | | | | | | | | | | | | | | | | | | females
(cont...) |
| | 0040 | 0040 | 0040 | 0040 | 0040 | 0040 | 0040 | 0040 | 0040 | 0040 | 0040 | 0040 | 0040 | 0040 | 0040 | 0040 | 0040 | 0040 | 0040 | 0040 | |
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Accessory Adrenal Cortical Nodule | | | | 3 | | | | 3 | | 3 | | | | | | | | | | | |
| Amyloid Deposition | | | | | | | | | | | | | | | | | 3 | | | | |
| Degeneration, Fatty | | | | | | | | | | | | | | | | | | | | | 3 |
| Hypertrophy, Focal | | | | | | | | | | | | | | | | | | | | | 3 |
| Capsule, Hyperplasia | 2 | | | | | | | | | | | | 2 | | | | | | | | |
| Subcapsular, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Medulla | M | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | 1 | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | | | | | | | | | | | | 1 | | | | | 2 | 3 |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pars Distalis, Cyst | 3 | | | | | | | | | | | | | | 3 | | | | 3 | | |
| Pars Distalis, Hemorrhage | | | | | | | | | | | | | | | | | | | | | 3 |
| Pars Distalis, Hyperplasia, Focal | | | | | 2 | | | | | | | 1 | 2 | | | | | | | | 3 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + |
| Follicle, Degeneration, Focal | 3 | | 1 | | | | 2 | | 2 | | 3 | 3 | | 2 | 3 | 1 | | 3 | 1 | 3 | |
| Follicular Cell, Hyperplasia | | | | | | | | | | 1 | | | | | | | | | | | 1 |

GENERAL BODY SYSTEM

NONE

GENITAL 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

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 alpha/beta Thujone mixture
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 Lab: SRI

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |
|--------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--|----------------------|
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| 12 MG/KG | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | |
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|----------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Clitoral Gland | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Ovary | + + + + + + + + + + + + + + + + + + + + + + + + + | | | | | | | | | | | | | | | | | | | | | | | | |
| Amyloid Deposition | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Angiectasis | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | 3 3 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | 2 2 2 3 2 3 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Uterus | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Amyloid Deposition | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Angiectasis | 4 4 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Acute | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | 3 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Thrombosis | 3 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Endometrium, Hyperplasia, Cystic | 4 3 4 3 2 2 3 1 1 2 4 1 2 2 1 2 2 3 1 | | | | | | | | | | | | | | | | | | | | | | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Bone Marrow | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia | 3 2 2 3 3 2 3 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + + + + + + + + + + M + + + + + M + + + + + + + | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | 3 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Pigmentation | 3 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Atrophy | 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. 99037 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
alpha/beta Thujone mixture
CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
Time Report Requested: 13:12:57
First Dose M/F: 06/30/03 / 06/30/03
Lab: SRI

| B6C3F1 MICE FEMALE
12 MG/KG | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | females
(cont...) | | | | |
|--------------------------------|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | 0
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3 | 0
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3 | 0
7
3
3 | 0
6
6
8 | 0
7
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3 | 0
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2 | 0
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1 | 0
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3 | 0
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9 | 0
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9 | 0
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9 | 0
7
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9 | 0
7
3
3 | 0
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3 | | 0
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3 | 0
7
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3 | 0
7
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3 | |
| ANIMAL ID | | 0
0
4
0
1 | 0
0
4
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2 | 0
0
4
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3 | 0
0
4
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4 | 0
0
4
0
5 | 0
0
4
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6 | 0
0
4
0
7 | 0
0
4
0
8 | 0
0
4
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9 | 0
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1 | 0
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1 | 0
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1 | 0
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0 | 0
0
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2
1 | 0
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2 | 0
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2
2 | 0
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4
2
3 | 0
0
4
2
3 | 0
0
4
2
4 | 0
0
4
2
5 |

Fibrosis 2 3

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Compression | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemorrhage | | | 1 | | | | 1 | | | | | | | | 2 | 3 | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | 2 | | | | 3 | | | | | | | | | | | |
| Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Cornea, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

URINARY SYSTEM

* .. 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

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE FEMALE
12 MG/KG | 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 | females
(cont...) | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|--|
| | ANIMAL ID | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | | 3 | 3 | 3 | 6 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 9 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | | |
| | | 3 | 3 | 3 | 8 | 3 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 0 | 3 | 3 | 1 | 9 | 9 | 9 | 9 | 9 | 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 | | |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | | |
| Kidney | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Amyloid Deposition | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| Infarct | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | 3 | | | | | | | 3 | | | | | | | | | | | | | | | | | 3 | | |
| Metaplasia, Osseous | | | | | | | | | | | | | | 2 | | | | | | | | | | | | 3 | | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nephropathy | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| Renal Tubule, Accumulation, Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Urinary Bladder | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | 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

| B6C3F1 MICE FEMALE
12 MG/KG | 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 | * TOTALS | |
|--------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|
| | ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 5 | 7 | 7 | | 7 |
| | | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 2 | 7 | 2 | 2 | 2 | 1 | 3 | 4 | 9 | 3 | 3 | 4 | 3 | 3 | 3 | |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 9 | 2 | 2 | 2 | 9 | 9 | 9 | 9 | 9 | 1 | 3 | 7 | 4 | 3 | 1 | 3 | 1 | 1 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------------|----|
| Esophagus | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Gallbladder
Pigmentation | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | 46
2 4.0 | |
| Intestine Large, Cecum
Edema | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | 49
2 3.0 | |
| Intestine Large, Colon | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Intestine Large, Rectum | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Intestine Small, Duodenum
Diverticulum | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | M | + | + | 46
1 | |
| Intestine Small, Ileum
Epithelium, Hyperplasia | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 3 | A | + | + | + | + | + | + | 49
1 3.0 | |
| Intestine Small, Jejunum
Hyperplasia, Lymphoid | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 48
1 3.0 | |
| Liver | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| Clear Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Eosinophilic Focus | | | | | | | | | | X | | | | | | | | | X | | | | | | 4 | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.5 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | 4 2.0 | |
| Inflammation, Chronic Active | | | 1 | | 1 | | | | | | | | | | | | | 2 | | | | | 2 | 2 | 7 1.6 | |
| Mixed Cell Focus | | | | 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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE FEMALE
12 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------------|
| | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | | 0732 |
| ANIMAL ID | 00426 | 00442 | 00442 | 00442 | 00442 | 00442 | 00442 | 00442 | 00442 | 00442 | 00442 | 00442 | 00442 | 00442 | 00442 | 00442 | 00442 | 00442 | 00442 | 00442 | 00442 | 00442 | 00442 | 00442 | 00442 | |
| Necrosis, Diffuse Tension Lipidosis | 1 | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Hepatocyte, Vacuolization Cytoplasmic Kupffer Cell, Hyperplasia | | | | | | | | | | | | | | | | | | 3 | | | | | | | 3 | 2 3.5
1 3.0 |
| Mesentery Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | 6
6 3.2 |
| Pancreas Atrophy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
1 4.0 |
| Pancreas Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | 3 3.0
3 3.0 |
| Pancreas Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Salivary Glands Infiltration Cellular, Lymphocyte | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
13 2.4 |
| Stomach, Forestomach Erosion | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Stomach, Forestomach Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 3 3.0
2 3.0 |
| Stomach, Glandular Cyst | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48
2 3.0 |
| Stomach, Glandular Epithelium, Cytoplasmic Alteration | | | | | | | | | | | | | | | | | | | | | | | | | | 3 2.0
1 2.0 |
| Stomach, Glandular Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.0 |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------------|
| Heart Mineralization | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
1 3.0 |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------------|

ENDOCRINE 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. 99037 - 06
 Test Type: CHRONIC
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 Species/Strain: MICE/B6C3F1

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 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE FEMALE
12 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|-----------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | |
| ANIMAL ID | 00426 | 00447 | 00448 | 00449 | 00450 | 00451 | 00452 | 00453 | 00454 | 00455 | 00456 | 00457 | 00458 | 00459 | 00460 | 00461 | 00462 | 00463 | 00464 | 00465 | 00466 | 00467 | 00468 | 00469 | 00470 |
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Accessory Adrenal Cortical Nodule | 3 | | | 3 | 3 | | 3 | | | 3 | | | | | | | | | | | | | 3 | | 9 3.0 |
| Amyloid Deposition | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Degeneration, Fatty | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Hypertrophy, Focal | | | | | | | | | | | | | | | | | | | | | | | | | 2 3.0 |
| Capsule, Hyperplasia | | | | | | 2 | | | | | 1 | | | | | | | | | | | | | | 4 1.8 |
| Subcapsular, Hyperplasia, Focal | | 2 | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 4 2.0 |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | M | + | + | + | + | 47 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 49 |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | 3 3.0 |
| Pars Distalis, Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Pars Distalis, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | 4 2.0 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Follicle, Degeneration, Focal | | 1 | 1 | 2 | | 3 | 3 | | | | 2 | | | 1 | 3 | | | | | 3 | | 3 | | 1 | 23 2.2 |
| Follicular Cell, Hyperplasia | | 1 | | | | | | | | | | | | | | | | | | | | | | | 3 1.0 |

GENERAL BODY SYSTEM

NONE

GENITAL 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

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| B6C3F1 MICE FEMALE
12 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | |
|-----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------|--------|
| | 0
7
3
2 | 0
7
3
2 | 0
7
3
2 | 0
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3
2 | 0
7
3
2 | 0
7
3
2 | 0
7
3
1
9 | 0
7
3
2 | 0
7
3
2 | 0
7
3
2 | 0
7
3
2 | 0
7
3
2 | 0
7
3
2 | 0
7
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2 | 0
7
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2 | 0
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2 | 0
7
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| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | 49 | |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | 48 | |
| Amyloid Deposition | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Angiectasis | | | 2 | | 4 | | | | | | | | | | | | 3 | | | | | | | | | 4 2.8 | |
| Cyst | | | 3 | | 3 | 3 | | | | | | | | 3 | | | | 3 | | 3 | | | | | | 14 3.0 | |
| Hemorrhage | | | 2 | 2 | 2 | | | 2 | | | | | | | | | | | | | | | | | | 10 2.1 | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Amyloid Deposition | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Angiectasis | | | | | | | | | | | | | | | | 3 | | | | | | | | | | 4 3.5 | |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Endometrium, Hyperplasia, Cystic | 4 | 4 | 3 | 3 | 4 | 1 | | 1 | 1 | 3 | | 1 | | | | 1 | 2 | | | 1 | 4 | | 4 | 1 | 35 2.3 | | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | 16 2.7 |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.0 | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | 2 | | | | | | | | | | | | | 1 2.0 | |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | | 3 | | | 3 3.0 | |
| Lymph Node, Mesenteric | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | 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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE FEMALE
12 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | |
|-----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-------|
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| Ectasia | | | | | | | | | | | | | | 4 | | | | | | | | | | 4 | 2 4.0 |
| Hematopoietic Cell Proliferation | 3 | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Hemorrhage | | | 4 | | | | | | 4 | 3 | | | | | | | | | | | | | | | 4 3.8 |
| Hyperplasia, Lymphoid | 2 | | | | | | | | | | | | | | 3 | | | | | | | | 1 | 7 2.3 | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | 3 | | | | | | | | | | | | 1 3.0 |
| Pigmentation | | | | | | | | | | | | 3 | | | | | | | | | | | | | 1 3.0 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Atrophy | | | | | | | | | | | | | 3 | | | | | | | | | | | | 1 3.0 |
| Hematopoietic Cell Proliferation | 2 | 1 | 4 | 2 | 2 | | 4 | 2 | 1 | 1 | | | | 2 | 2 | 3 | 2 | 3 | 4 | 1 | | 1 | 4 | 37 2.2 | |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | 3 | | | 1 3.0 | |
| Lymphoid Follicle, Atrophy | | | | | | | | | | | | | | | | | | | | | 3 | | | 1 3.0 | |
| Lymphoid Follicle, Hyperplasia | 4 | 3 | | | 2 | | 2 | | | | 2 | | | 2 | | 2 | | | 3 | | 3 | | | 17 2.4 | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | M | + | + | + | + | + | + | + | 48 | |
| Atrophy | | | | | | | 3 | | | | | | | | | | | | 3 | | 3 | | 3 | 6 3.0 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | 4 1.8 | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hyperplasia | | | 1 | | | | | | | | | | 3 | | | | | 2 | | | | | 3 | 6 1.8 | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Cyst Epithelial Inclusion | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Edema | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |

* .. 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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE FEMALE
12 MG/KG | DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * TOTALS |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|----------|
| | ANIMAL ID | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 2 | 7 | 2 | 2 | 2 | 1 | 3 | 4 | 9 | 3 | 3 | 4 | 3 | |
| | | 2 | 2 | 2 | 2 | 2 | 9 | 2 | 2 | 2 | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 3 | 7 | 4 | 3 | 1 | 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 | |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Kidney | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Amyloid Deposition | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Infarct | | | | | 1 | | | | | | | | | | | | | | | | | | | 1 1.0 | |
| Infiltration Cellular, Lymphocyte | | | 3 | | | | | | | | | | | | | | | | | | | 2 | | 5 2.8 | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | 2 | | | | | | | | | 3 2.3 | |
| Mineralization | | | | | | | | | | | | | | | | | | 2 | | | | | | 1 2.0 | |
| Nephropathy | | | 3 | | | | | 1 | | | | | | | | | | 1 | | | | | 1 | 7 1.7 | |
| Renal Tubule, Accumulation, Hyaline Droplet | | | | | | | | 3 | | | | | | | | | | | | | | | 2 | 2 2.5 | |
| Urinary Bladder | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Infiltration Cellular, Lymphocyte | | | 3 | | | | | | | | | | | | | | | | | | | | | 4 2.8 | |

* .. 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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|--|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE FEMALE | DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | ANIMAL ID | | 1 | 1 | 3 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 0 | 2 | 1 | 1 | 2 | 2 | 2 | 3 | 2 | 1 | 1 | 2 | 2 | 3 | 4 | 4 | 4 | 7 | 7 | 1 | 1 | 2 | 2 | 3 | 1 | 3 | 3 | 6 |
| | | | 3 | 6 | 1 | 8 | 3 | 1 | 8 | 3 | 3 | 1 | 0 | 9 | 3 | 9 | 8 | 7 | 9 | 5 | 0 | 8 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 7 | 7 | 1 | 1 | 2 | 2 | 3 | 1 | 6 | |
| | | | 8 | 9 | 6 | 2 | 9 | 6 | 2 | 9 | 2 | 6 | 4 | 2 | 4 | 7 | 5 | 4 | 6 | 0 | 9 | 8 | 6 | 9 | 8 | 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 |
| | | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | females (cont...) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Esophagus | + | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Acute | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Submucosa, Edema | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gallbladder | + + + + + + + + + + A + I + | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Cecum | + | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Colon | + | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Rectum | + | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Duodenum | + | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Ileum | + A + | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Jejunum | + + + + + + A + | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Liver | + | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis, Focal | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | + | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Atrophy | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | + | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | + | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
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TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) |
|--------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|----------------------|
| | 0138 | 0169 | 0316 | 0283 | 0259 | 0326 | 0222 | 0222 | 0222 | 0303 | 0020 | 0211 | 0111 | 0222 | 0222 | 0222 | 0333 | 0221 | 0111 | 0222 | 0222 | 0344 | 0344 | 0344 | 0344 | | |
| 25 MG/KG | 00451 | 00452 | 00453 | 00454 | 00455 | 00456 | 00457 | 00458 | 00459 | 00460 | 00461 | 00462 | 00463 | 00464 | 00465 | 00466 | 00467 | 00468 | 00469 | 00470 | 00471 | 00472 | 00473 | 00474 | 00475 | | |

Epithelium, Hyperplasia

Stomach, Glandular

Tongue
Cyst

CARDIOVASCULAR SYSTEM

Heart

ENDOCRINE SYSTEM

Adrenal Cortex

Accessory Adrenal Cortical Nodule
Subcapsular, Cyst

Adrenal Medulla

Islets, Pancreatic

Parathyroid Gland
Cyst

Pituitary Gland
Rathke's Cleft, Dilatation

Thyroid Gland
Follicle, Degeneration, Focal

GENERAL BODY 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

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TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------------|---|
| B6C3F1 MICE FEMALE | 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...) | |
| | | 1 | 1 | 3 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 0 | 2 | 1 | 1 | 2 | 2 | 2 | 3 | 2 | 1 | 1 | 2 | 2 | 3 | | |
| | | 3 | 6 | 1 | 8 | 3 | 1 | 8 | 3 | 3 | 1 | 0 | 9 | 3 | 9 | 8 | 7 | 9 | 5 | 0 | 8 | 3 | 4 | 4 | 7 | | 1 |
| 25 MG/KG | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | |

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ovary Cyst | + | + | + | + | + | 4 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Uterus Endometrium, Hyperplasia, Cystic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | 1 | 1 | | | | | | | 1 | | | | | 1 | | 2 | 1 | 2 | | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow Hyperplasia | + | + | + | + | + | + | + | + | + | + | 3 | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node, Mandibular Hematopoietic Cell Proliferation Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node, Mesenteric Atrophy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spleen Hematopoietic Cell Proliferation Pigmentation | + | + | + | + | + | + | + | + | + | + | 2 | + | + | + | + | + | + | + | + | + | + | + | + | 2 |
| Thymus Atrophy Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | 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. 99037 - 06

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 08/11/2010

Test Type: CHRONIC

alpha/beta Thujone mixture

Time Report Requested: 13:12:57

Route: GAVAGE

CAS Number: THUJONEMIXAB

First Dose M/F: 06/30/03 / 06/30/03

Species/Strain: MICE/B6C3F1

Lab: SRI

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| B6C3F1 MICE FEMALE | 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 | |
| | 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 | |

Inflammation, Chronic Active 3

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skin Hemorrhage | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Brain Hemorrhage | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung Foreign Body | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lung Hemorrhage | X | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | |
| Lung Inflammation, Chronic | | | | | | 2 | | | | | | 1 | | | 2 | | 2 | | | | | | | | | | | | | |
| Lung Inflammation, Chronic Active Arteriole, Hypertrophy | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pleura Inflammation, Acute | | | | | | | | | | | | + | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 4 | | | | | | | | | | | | | | | | | | |

* .. 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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 08/11/2010
 Time Report Requested: 13:12:57
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE FEMALE
25 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|-----------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------|-------|
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6 | 0
1
7
7 | 0
3
1
6 | 0
2
8
4 | 0
2
9
2 | 0
0
0
4 | 0
2
1
5 | 0
2
8
4 | 0
2
5
7 | 0
1
8
4 | 0
0
0
6 | 0
2
9
0 | 0
2
5
3 | 0
1
5
9 | 0
1
6
6 | 0
2
4
7 | 0
3
2
6 | 0
3
1
6 | 0
2
3
4 | 0
2
7
5 | 0
2
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5 | 0
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9 | 0
1
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9 | 0
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0
0 | | | |
| ANIMAL ID | 0
4
7
6 | 0
0
4
7 | 0
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7 | 0
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7 | 0
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9 | | |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 2.0 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Tongue
Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 3.0 |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Accessory Adrenal Cortical Nodule | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 3.0 |
| Subcapsular, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 2.0 |
| Adrenal Medulla | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 4 3.0 | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | | |
| Rathke's Cleft, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 1.0 | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Follicle, Degeneration, Focal | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2 1.0 | |

GENERAL BODY 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
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | | | | | | | | | | | | | | | | | | | | |
|--------------------|-------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------|
| | | 3 1 3 2 2 0 2 2 2 1 0 2 2 1 1 2 2 3 3 1 2 2 1 0 | | | | | | | | | | | | | | | | | | | | |
| 25 MG/KG | ANIMAL ID | 0 | | | | | | | | | | | | | | | | | | | | |
| | | 4 5 | | | | | | | | | | | | | | | | | | | | |
| | | 7 7 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 0 | | | | | | | | | | | | | | | | | | | | |
| | | 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | * TOTALS |

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|--------|
| Clitoral Gland | + + + + M M + + + + + + + + + + + + + + + + + + M | | | | | | | | | | | | | | | | | | | | 47 | |
| Ovary | + | | | | | | | | | | | | | | | | | | | | 50 | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | 2 3.5 |
| Uterus | + | | | | | | | | | | | | | | | | | | | | 50 | |
| Endometrium, Hyperplasia, Cystic | 2 2 2 1 1 1 2 1 | | | | | | | | | | | | | | | | | | | | | 15 1.4 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|-------|
| Bone Marrow | + | | | | | | | | | | | | | | | | | | | | 50 | |
| Hyperplasia | 2 3 4 3 | | | | | | | | | | | | | | | | | | | | | 5 3.0 |
| Lymph Node, Mandibular | + | | | | | | | | | | | | | | | | | | | | 49 | |
| Hematopoietic Cell Proliferation | 1 | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Hyperplasia, Lymphoid | 2 | | | | | | | | | | | | | | | | | | | | | 3 2.0 |
| Lymph Node, Mesenteric | + M + M + + + | | | | | | | | | | | | | | | | | | | | 47 | |
| Atrophy | 3 | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Spleen | + | | | | | | | | | | | | | | | | | | | | 50 | |
| Hematopoietic Cell Proliferation | 2 | | | | | | | | | | | | | | | | | | | | | 5 2.4 |
| Pigmentation | 3 3 2 | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Thymus | + | | | | | | | | | | | | | | | | | | | | 49 | |
| Atrophy | 3 | | | | | | | | | | | | | | | | | | | | | 3 3.0 |
| Hyperplasia, Lymphoid | 1 | | | | | | | | | | | | | | | | | | | | | 1 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

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|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|
| | 03116 | 03177 | 03186 | 03224 | 03225 | 03226 | 03227 | 03228 | 03229 | 03230 | 03231 | 03232 | 03233 | 03234 | 03235 | 03236 | 03237 | 03238 | 03239 | 03240 | 03241 | 03242 | 03243 | |
| ANIMAL ID | 00476 | 00404 | 00404 | 00404 | 00404 | 00404 | 00404 | 00404 | 00404 | 00404 | 00404 | 00404 | 00404 | 00404 | 00404 | 00404 | 00404 | 00404 | 00404 | 00404 | 00404 | 00404 | 00404 | |
| Trachea
Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
1 4.0 |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney
Nephropathy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
3 1.0 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

*** END OF REPORT ***

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