

**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

<b>C Number:</b>	C99037B		
<b>Lock Date:</b>	11/20/2006		
<b>Cage Range:</b>	ALL		
<b>Date Range:</b>	ALL		
<b>Reasons For Removal:</b>	25022 ACCK	25021 TSAC	25020 NATD
	25019 MSAC	25018 DACC	
<b>Removal Date Range:</b>	ALL		
<b>Treatment Groups:</b>	Include ALL		
<b>Study Gender:</b>	Both		
<b>TDMSE Version:</b>	2.2.0		

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<b>B6C3F1 MICE MALE</b>	DAY ON TEST	0731	0649	0568	0771	0777	0777	0777	0777	0777	0777	0477	0777	0777	0777	0777	0677	0777	0777	0677	0777	0777	0777	0777	<b>0 MG/KG</b>	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	males (cont...)
	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																							

**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				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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 1) Minimal 3) Moderate  
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B6C3F1 MICE MALE 0 MG/KG	DAY ON TEST																								* TOTALS			
	0729	0729	0730	0764	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779				
ANIMAL ID	00026	00007	00008	00009	00010	00011	00012	00013	00014	00015	00016	00017	00018	00019	00020	00021	00022	00023	00024	00025	00026	00027	00028	00029				
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	3.0	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50			
Inflammation, Chronic																									2	4	1.8	
Ulcer																									2	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		
<b>CARDIOVASCULAR SYSTEM</b>																												
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Mineralization																									1	1	1.0	
Thrombosis																										1	4.0	
<b>ENDOCRINE SYSTEM</b>																												
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Accessory Adrenal Cortical Nodule																									3	3	3	4 3.0

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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					
ANIMAL ID	00026	00007	00008	00009	00010	00011	00012	00013	00014	00015	00016	00017	00018	00019	00020	00021	00022	00023	00024	00025	00026	00027	00028	00029	00030				
Hyperplasia, Focal	2																									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	
<b>GENERAL BODY SYSTEM</b>																													
Tissue NOS																												1	
<b>GENITAL SYSTEM</b>																													
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Penis																												1	
Preputial Gland	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49		
Cyst				3													3		3						3			12	3.0
Inflammation, Chronic								2		2	2	3		2								2			2			13	2.5

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	0729	0729	0730	0764	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779		0779
ANIMAL ID	00026	00007	00008	00009	00010	00011	00012	00013	00014	00015	00016	00017	00018	00019	00020	00021	00022	00023	00024	00025	00026	
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
<b>HEMATOPOIETIC SYSTEM</b>																						
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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<b>B6C3F1 MICE MALE</b>	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		7	7	7	6	7	6	7	5	7	7	5	7	7	7	7	7	4	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	3	3	3	3	2	
<b>0 MG/KG</b>	ANIMAL ID	9	9	0	4	9	7	0	8	9	1	1	0	0	0	1	9	6	1	9	9	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		
		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	<b>* TOTALS</b>

Atrophy	2	2	<b>3 2.0</b>
Cyst			<b>1 3.0</b>
Hyperplasia, Lymphoid			<b>1 3.0</b>

### INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>50</b>
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>50</b>

### MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>50</b>
Hyperostosis																								<b>1 3.0</b>
Cranium, Osteopetrosis												2												<b>1 2.0</b>
Skeletal Muscle															+									<b>2</b>

### NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>50</b>
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### RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>50</b>
Hemorrhage							1																	<b>2 1.5</b>
Alveolar Epithelium, Hyperplasia																	1							<b>3 1.3</b>
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>50</b>
Inflammation, Chronic						1						1	1											<b>5 1.4</b>
Respiratory Epithelium, Hyperplasia											2													<b>1 2.0</b>

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

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<b>B6C3F1 MICE MALE</b>	DAY ON TEST	0 7 3 0	0 7 3 0	0 7 3 1	0 7 3 1	0 7 3 0	0 7 5 4	0 7 3 1	0 7 2 9	0 7 2 0	0 7 2 9	0 7 2 4	0 7 3 3	0 7 3 1	0 7 3 1	0 7 3 0	0 7 3 3	0 7 3 3	0 7 3 0	0 7 3 1	0 7 3 0	0 7 3 1	0 7 6 3	0 7 7 1	0 7 7 1	0 7 7 2	0 7 7 2			
	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 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

**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				X					X		X								X									
Inflammation, Chronic Active																												
Mixed Cell Focus	X	X							X																X			
Centrilobular, Necrosis																	2											

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

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

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



TDMS No. 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	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			
	3	3	3	3	3	5	3	2	3	2	7	3	3	3	3	5	2	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			
	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	5		

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

1 2  
 2 1 2  
 3 1 2 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  
 1

Thyroid Gland  
 Follicle, Degeneration, Focal  
 Follicular Cell, Hyperplasia

+  
 3 1 2 2 2

**GENERAL BODY SYSTEM**

Tissue NOS

**GENITAL SYSTEM**

Epididymis  
 Granuloma Sperm  
 Spermatocele

+  
 2

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



|                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                  |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------|
| <b>B6C3F1 MICE MALE</b> | 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 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 |                  |
| <b>3 MG/KG</b>          |             | 3 | 3 | 3 | 3 | 5 | 3 | 2 | 3 | 2 | 7 | 3 | 3 | 3 | 3 | 5 | 2 | 3 | 3 | 3 | 3 | 6 | 3 | 6 | 3 | 3 | 6 | 3 | 3 | 3 | 6 | 3 | 3 | 2 | 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 | 0 | 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 | 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 | 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 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |                  |
|                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>males</b>     |
|                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>(cont...)</b> |

|                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Pigmentation                     |   |   |   |   |   |   |   |   |   |   | 3 | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |
| Lymph Node, Mesenteric           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Angiectasis                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Atrophy                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Ectasia                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hematopoietic Cell Proliferation |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |
| Hemorrhage                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 | 3 |
| Hyperplasia, Lymphoid            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Pigmentation                     |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

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





TDMS No. 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<br>3 MG/KG       | DAY ON TEST   |                  | ANIMAL ID        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | males<br>(cont...) |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|-----------------------------------|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                                   | 0<br>7<br>3<br>0  | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>0 | 0<br>6<br>5<br>4 | 0<br>7<br>3<br>2 | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>0 | 0<br>7<br>2<br>9 | 0<br>6<br>3<br>4 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>1 | 0<br>7<br>3<br>1 | 0<br>7<br>3<br>0 | 0<br>6<br>5<br>4 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>1 | 0<br>7<br>3<br>0 | 0<br>6<br>3<br>3 | 0<br>7<br>3<br>1 |                    | 0<br>7<br>3<br>1 | 0<br>6<br>3<br>3 | 0<br>7<br>3<br>2 | 0<br>7<br>3<br>3 | 0<br>6<br>3<br>1 | 0<br>7<br>3<br>1 | 0<br>6<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>6<br>3<br>2 | 0<br>7<br>3<br>1 | 0<br>6<br>3<br>3 | 0<br>7<br>3<br>1 | 0<br>6<br>3<br>2 | 0<br>7<br>3<br>1 | 0<br>6<br>3<br>3 | 0<br>7<br>3<br>2 | 0<br>6<br>3<br>4 |
| Hydronephrosis                    |   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Infarct                           | 3 2   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Infiltration Cellular, Lymphocyte |   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Nephropathy                       | 3 1   |                  | 3 1              |                  | 1 2              |                  | 1 1              |                  | 2 3              |                  | 3 3              |                  | 2 1              |                  | 1 1              |                  | 1 1              |                  | 1 1              |                  | 3 3              |                  | 1 1                |                  | 1 1              |                  | 3 3              |                  | 1 1              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Renal Tubule, Pigmentation        |   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| <hr/>                             |   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Urethra                           |   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Hemorrhage                        |   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Inflammation, Acute               |   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| <hr/>                             |   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Urinary Bladder                   |   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Dilatation                        | + |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

\* .. 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  
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 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
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|                         |             |                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------|-------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <b>B6C3F1 MICE MALE</b> | 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 | 0 | 7 | 7 | 5 | 7 | 6 | 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 |
| <b>3 MG/KG</b>          | 0           | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                         | 0           | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 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 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 0 |   |
|                         |             | <b>* TOTALS</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**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       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +     | 48    |
| Epithelium, Hyperplasia      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 3.0 |       |
| Intestine Small, Jejunum     | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +     | 46    |
| Liver                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50    |       |
| Basophilic Focus             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1     |       |
| Clear Cell Focus             | X | X |   |   |   |   |   |   |   |   |   |   |   |   | X | X |   | X | X | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 14    |       |
| Cyst                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 3.0 |       |
| Eosinophilic Focus           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 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<br>3 MG/KG   | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |                              |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------------------------------|
|   | 0731        | 0733  | 0730  | 0701  | 0773  | 0752  | 0777  | 0766  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  |          |                              |
| ANIMAL ID   | 00076       | 00077 | 00078 | 00079 | 00080 | 00081 | 00082 | 00083 | 00084 | 00085 | 00086 | 00087 | 00088 | 00089 | 00090 | 00091 | 00092 | 00093 | 00094 | 00095 | 00096 | 00097 | 00098 | 00099 |          |                              |
| Hepatocyte, Vacuolization Cytoplasmic   | 3           |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 13       | 2.7                          |
| Mesentery<br>Fat, Necrosis  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 4        | 3 4.0                        |
| Pancreas<br>Atrophy<br>Acinus, Cytoplasmic Alteration   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 50       | 3 2.7<br>6 2.8               |
| Salivary Glands<br>Infiltration Cellular, Lymphocyte  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 50       | 10 2.6                       |
| Stomach, Forestomach<br>Diverticulum<br>Inflammation, Chronic<br>Ulcer<br>Epithelium, Hyperplasia |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 50       | 1<br>5 1.8<br>1 2.0<br>7 2.6 |
| Stomach, Glandular<br>Cyst<br>Erosion   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 50       | 3 3.0<br>1 2.0               |
| <b>CARDIOVASCULAR SYSTEM</b>  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |                              |
| Heart<br>Cardiomyopathy   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 50       | 2 1.0                        |
| <b>ENDOCRINE SYSTEM</b>   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |                              |
| Adrenal Cortex<br>Accessory Adrenal Cortical Nodule   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 50       | 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  
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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<br>3 MG/KG                 | DAY ON TEST         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |
|---|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
|   | 0731                | 0733  | 0730  | 0701  | 0775  | 0773  | 0757  | 0776  | 0767  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  |          |
| 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 |          |
|   | Degeneration, Fatty |       |       |       |       |       |       |       |       |       | 2     |       |       |       |       |       |       |       |       |       |       |       |       |          |
| Hyperplasia, Focal                          |                     | 1     |       |       |       |       |       |       |       |       |       |       |       |       |       | 2     | 3     |       |       | 1     |       |       |       |          |
| Hypertrophy, Focal                          |                     | 3     | 2     |       |       |       | 3     | 2     |       | 3     |       |       |       |       | 1     | 1     | 2     | 2     | 1     |       |       | 3     |       |          |
| Subcapsular, Hyperplasia                    |                     |       |       |       |       |       | 2     |       |       |       |       |       |       |       |       |       |       |       |       |       | 2     |       |       |          |
| Adrenal Medulla Hyperplasia                 | +                   | +     | +     | +     | M     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     |          |
|   |                     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1     |       | 2     |          |
|   |                     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |
| Islets, Pancreatic Hyperplasia              | +                   | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     |          |
|   |                     | 2     |       |       |       | 3     |       |       |       |       |       |       |       |       |       | 2     | 3     |       |       |       |       | 1     |       |          |
|   |                     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |
| Parathyroid Gland                           | +                   | +     | +     | +     | I     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     |          |
|   |                     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |
| Pituitary Gland Pars Distalis, Cyst         | +                   | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     |          |
| Pars Distalis, Hyperplasia, Focal           |                     | 1     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |
|   |                     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |
| Thyroid Gland Follicle, Degeneration, Focal | +                   | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     |          |
| Follicular Cell, Hyperplasia                |                     | 2     | 1     |       |       |       |       |       |       |       |       |       |       |       |       | 1     |       |       |       |       |       | 1     | 2     |          |
|   |                     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 2     |       |          |
|   |                     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |
| <b>GENERAL BODY SYSTEM</b>                  |                     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |
| Tissue NOS                                  |                     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | +     |       |          |
|   |                     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1     |          |
| <b>GENITAL SYSTEM</b>                       |                     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |
| Epididymis Granuloma Sperm                  | +                   | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     |          |
| Spermatocele                                |                     |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 3     |       |       |       |       |       |       | 3     |          |
|   |                     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |

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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  
 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 | * TOTALS |
|------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
|                  |             | 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 MG/KG          | ANIMAL ID   | 3 | 3 | 3 | 0 | 1 | 3 | 2 | 3 | 8 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 |          |
|                  |             | 1 | 0 | 0 | 4 | 5 | 0 | 9 | 1 | 7 | 1 | 1 | 0 | 0 | 0 | 1 | 9 | 0 | 1 | 1 | 1 | 9 | 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 | 1 |   |          |
|                  |             | 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 |   |          |

|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |        |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--------|
| 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 |   |   |   |   |   | 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  
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 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
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| B6C3F1 MICE MALE<br><br>3 MG/KG | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | * TOTALS |
|---------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------|
|                                 | 0<br>7<br>3<br>1 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>0 | 0<br>7<br>0<br>4 | 0<br>7<br>1<br>5 | 0<br>7<br>3<br>0 | 0<br>5<br>2<br>9 | 0<br>7<br>3<br>1 | 0<br>6<br>8<br>7 | 0<br>7<br>3<br>1 | 0<br>7<br>3<br>1 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>0 | 0<br>7<br>2<br>1 | 0<br>7<br>3<br>1 | 0<br>7<br>3<br>1 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>1 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>0 |          |
|                                 | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 50               |          |
|                                 | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 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                | 0                |          |
|                                 | 6                | 7                | 8                | 9                | 0                | 1                | 2                | 3                | 4                | 5                | 6                | 7                | 8                | 9                | 0                | 1                | 2                | 3                | 4                | 5                | 6                | 7                | 0                |          |

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                      |   |    | 2     |
| Inflammation, Chronic             | 2   |    | 3 1.3 |
| Trachea                           | + | 50 |       |

SPECIAL SENSES SYSTEM

|                       |   |     |       |
|-----------------------|---|-----|-------|
| Eye                   | + | 50  |       |
| Cataract              |   |     | 1 2.0 |
| Inflammation, Chronic |   | 2   | 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 3 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  
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 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | * TOTALS |       |  |
|-----------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|-------|--|
|                                   | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |          | 0     |  |
| <b>B6C3F1 MICE MALE</b>           | 7           | 7 | 7 | 0 | 7 | 7 | 5 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7        |       |  |
| <b>3 MG/KG</b>                    | 3           | 3 | 3 | 0 | 1 | 3 | 2 | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0        | 0     |  |
|                                   | 0           | 0 | 0 | 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     |  |
|                                   | 7           | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 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 | 0 | 0 | 0        |       |  |
|                                   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |       |  |
| Hydronephrosis                    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2        | 1 2.0 |  |
| Infarct                           |             |   |   |   |   |   |   | 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                        |             |   |   |   |   |   |   |   |   |   |   |   |   | 4 |   |   |   |   |   |   |   |   |   |   |   |   |          | 1 4.0 |  |
| Inflammation, Acute               |             |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |          | 1 3.0 |  |
| Urinary Bladder                   | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | 50    |  |
| Dilatation                        |             |   |   |   |   |   |   |   |   |   |   |   | 4 |   |   |   |   |   |   |   |   |   |   |   |   |   |          | 1 4.0 |  |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
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|                         |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                                  |
|-------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------------|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST | 0688 | 0731 | 0730 | 0729 | 0729 | 0729 | 0729 | 0666 | 0666 | 0777 | 0677 | 0777 | 0777 | 0555 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 |      |      |                                  |
|                         | 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 |      |      |                                  |
| <b>6 MG/KG</b>          |             | 1101 | 1102 | 1103 | 1104 | 1105 | 1106 | 1107 | 1108 | 1109 | 1100 | 1101 | 1102 | 1103 | 1104 | 1105 | 1106 | 1107 | 1108 | 1109 | 1100 | 1101 | 1102 | 1103 | 1104 | 1105 | <b>males</b><br><b>(cont...)</b> |

**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           |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |
| Eosinophilic Focus  | X         |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |
| Eosinophilic Focus, Multiple Inflammation, Chronic Active | X         |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |
| Mixed Cell Focus  | X         |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |
| Necrosis, Focal   | X         |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |
| Tension Lipidosis   | X         |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |
| Centrilobular, Necrosis                                   | X         |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |
| Hepatocyte, Vacuolization                                 | 3 3 4 3       |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |
| Kupffer Cell, Hyperplasia                                 | X         |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |
| 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  
 Time Report Requested: 13:12:57  
 First Dose M/F: 06/30/03 / 06/30/03  
 Lab: SRI

|                         |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                            |
|-------------------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------------|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST | 0<br>6<br>8<br>8      | 0<br>7<br>3<br>1      | 0<br>7<br>3<br>0      | 0<br>7<br>2<br>9      | 0<br>7<br>2<br>9      | 0<br>7<br>2<br>9      | 0<br>7<br>2<br>9      | 0<br>6<br>9<br>6      | 0<br>6<br>9<br>8      | 0<br>6<br>7<br>7      | 0<br>6<br>2<br>9      | 0<br>7<br>2<br>9      | 0<br>7<br>2<br>9      | 0<br>5<br>8<br>9      | 0<br>7<br>3<br>0      | 0<br>7<br>3<br>0      | 0<br>7<br>2<br>9      | 0<br>7<br>2<br>9      | 0<br>7<br>2<br>9      | 0<br>7<br>2<br>9      | 0<br>7<br>2<br>9      | 0<br>7<br>2<br>9      | 0<br>7<br>2<br>9      | 0<br>7<br>2<br>9      | 0<br>7<br>2<br>9      | <b>males<br/>(cont...)</b> |
|                         | ANIMAL ID   | 0<br>0<br>1<br>0<br>1 | 0<br>0<br>1<br>0<br>2 | 0<br>0<br>1<br>0<br>3 | 0<br>0<br>1<br>0<br>4 | 0<br>0<br>1<br>0<br>5 | 0<br>0<br>1<br>0<br>6 | 0<br>0<br>1<br>0<br>7 | 0<br>0<br>1<br>0<br>8 | 0<br>0<br>1<br>0<br>9 | 0<br>0<br>1<br>1<br>0 | 0<br>0<br>1<br>1<br>1 | 0<br>0<br>1<br>1<br>2 | 0<br>0<br>1<br>1<br>3 | 0<br>0<br>1<br>1<br>4 | 0<br>0<br>1<br>1<br>5 | 0<br>0<br>1<br>1<br>6 | 0<br>0<br>1<br>1<br>7 | 0<br>0<br>1<br>1<br>8 | 0<br>0<br>1<br>2<br>9 | 0<br>0<br>1<br>2<br>0 | 0<br>0<br>1<br>2<br>1 | 0<br>0<br>1<br>2<br>2 | 0<br>0<br>1<br>2<br>3 | 0<br>0<br>1<br>2<br>4 | 0<br>0<br>1<br>2<br>5 |                            |

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

Hyperplasia, Focal

2

3

2

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

| <b>B6C3F1 MICE MALE</b><br><br><b>6 MG/KG</b>                               | 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 | <b>males</b><br><b>(cont...)</b> |   |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------------------|---|
|   | ANIMAL ID   | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 7 | 6 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 2 | 7 | 7 | 7 | 7 | 7 | 7 |                                  | 7 |
|   |             | 8 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 9 | 9 | 9 | 2 | 9 | 2 | 2 | 8 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 3 | 2 | 2                                |   |
|   |             | 8 | 1 | 0 | 9 | 9 | 9 | 6 | 6 | 8 | 7 | 9 | 1 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 9 | 0 | 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                                |   |
|   |             | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 6 | 7                                |   |
| Hypertrophy, Focal<br>Subcapsular, Hyperplasia                              |             | 2 |   | 1 | 1 |   |   |   |   | 2 | 1 |   |   |   |   | 1 |   |   |   |   | 3 | 2 |   |   | 2 |   | 2 |                                  |   |
| Adrenal Medulla<br>Hyperplasia  |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |                                  |   |
| Islets, Pancreatic<br>Hyperplasia   |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |                                  |   |
| Parathyroid Gland   |             | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + |                                  |   |
| Pituitary Gland<br>Pars Distalis, Cyst<br>Pars Distalis, Hyperplasia, Focal |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + |                                  |   |
| Thyroid Gland<br>Follicle, Degeneration, Focal                              |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |                                  |   |
| <b>GENERAL BODY SYSTEM</b>  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                                  |   |
| Tissue NOS  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                                  |   |
| <b>GENITAL SYSTEM</b>   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                                  |   |
| Epididymis  |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |                                  |   |
| Preputial Gland<br>Cyst<br>Inflammation, Chronic                            |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |                                  |   |
| Prostate  |             | 3 |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   | 3 |   |   | 3 |                                  |   |
|   |             |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                                  |   |
|   |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |                                  |   |

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|   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                  |   |   |   |   |   |   |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------|---|---|---|---|---|---|
| <b>B6C3F1 MICE MALE</b><br><b>6 MG/KG</b> | 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 |   |
|   | ANIMAL ID   | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 7 | 6 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 2 | 7 | 2 | 2 | 2 | 3 | 3 | 3                | 3 | 2 | 7 | 7 | 7 | 7 |
|   |             | 8 | 3 | 3 | 2 | 2 | 2 | 9 | 9 | 9 | 7 | 2 | 9 | 2 | 8 | 3 | 3 | 3 | 3 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0                | 0 | 0 | 0 | 0 | 0 | 0 |
|   |             | 8 | 1 | 0 | 9 | 9 | 9 | 6 | 8 | 7 | 9 | 1 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 9 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0                | 0 | 0 | 0 | 0 | 0 | 0 |
|   |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0                | 0 | 0 | 0 | 0 | 0 | 0 |
|   |             | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1                | 1 | 1 | 1 | 1 | 1 | 1 |
|   |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 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 |
|   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>males</b>     |   |   |   |   |   |   |
|   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>(cont...)</b> |   |   |   |   |   |   |

Infiltration Cellular, Lymphocyte

Seminal Vesicle

Testes

Germinal Epithelium, Atrophy

Interstitial Cell, Hyperplasia

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

**HEMATOPOIETIC SYSTEM**

Bone Marrow

Hyperplasia

Lymph Node

Lymph Node, Mandibular

Atrophy

Hyperplasia, Lymphoid

Lymph Node, Mesenteric

Angiectasis

Atrophy

Hemorrhage

Hyperplasia, Lymphoid

Spleen

Hematopoietic Cell Proliferation

Lymphoid Follicle, Atrophy

Lymphoid Follicle, Hyperplasia

Thymus

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |   |  |
| 2 |   |   |   |   | 2 |   |   | 3 | 2 |   |   | 2 | 2 |   |   | 2 | 3 |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|   |   |   |   |   |   |   |   |   | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + |   |  |
|   |   |   |   |   |   |   |   |   |   | 2 |   | 1 |   |   |   |   | 1 | 2 |   |   |   |   |   |   |   |   |   | 3 | 1 |   |   |   |   |   |   |  |
| + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + |   |  |
|   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|   |   |   |   |   |   |   | 3 | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| 2 |   |   |   |   | 3 |   |   | 3 | 3 | 3 |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   | 3 | 4 |   | 1 |   |   |  |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |

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

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

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

|                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       |   |   |   |   |           |   |   |   |   |   |   |   |   |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|---|---|---|---|-----------|---|---|---|---|---|---|---|---|
| <b>B6C3F1 MICE MALE</b> | 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 |   |
|                         | 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 |
| <b>6 MG/KG</b>          |             | 8 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 9 | 9 | 6 | 6 | 6 | 7 | 6 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7     | 7 | 7 | 7 | 7 | 7         | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
|                         |             | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1     | 1 | 1 | 1 | 1 | 1         | 1 | 1 | 1 | 1 | 1 | 1 | 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 |
|                         |             | 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 |
|                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | males |   |   |   |   | (cont...) |   |   |   |   |   |   |   |   |

Atrophy Cyst 3 2 3

**INTEGUMENTARY SYSTEM**

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



| B6C3F1 MICE MALE<br>6 MG/KG       | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ANIMAL ID | males<br>(cont...) |
|-----------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|
|                                   | 0688        | 0731 | 0770 | 0773 | 0777 | 0779 | 0782 | 0786 | 0788 | 0791 | 0797 | 0799 | 0806 | 0808 | 0811 | 0817 | 0819 | 0825 | 0827 | 0830 | 0833 | 0839 | 0841 | 0847 | 0849 |           |                    |
| Nose                              | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         | +                  |
| Foreign Body                      |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                    |
| Inflammation, Chronic             |             |      |      | 1    |      |      |      |      |      |      | 1    |      |      |      |      |      |      |      |      |      | 2    |      |      |      |      |           |                    |
| Trachea                           | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         | +                  |
| <b>SPECIAL SENSES SYSTEM</b>      |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                    |
| Eye                               | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         | +                  |
| Inflammation, Chronic             |             |      |      |      |      |      |      |      |      |      |      |      |      |      | 2    |      |      |      |      |      |      |      |      |      |      |           |                    |
| Cornea, Hyperplasia               |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                    |
| Harderian Gland                   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         | +                  |
| <b>URINARY SYSTEM</b>             |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                    |
| Kidney                            | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         | +                  |
| Cyst                              |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 3    |      |      |      |      |           |                    |
| Infarct                           |             |      |      |      |      |      |      |      |      |      |      |      |      | 1    | 2    |      |      |      |      |      |      |      | 1    |      |      |           |                    |
| Infiltration Cellular, Lymphocyte |             |      |      |      |      |      |      |      |      | 2    |      |      |      |      |      |      |      |      |      |      | 2    |      |      | 3    |      |           |                    |
| Metaplasia, Osseous               |             |      |      |      |      |      |      |      | 2    |      | 2    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                    |
| Necrosis                          |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 3    |      |      |      |      |      |      |      |      |      |           |                    |
| Nephropathy                       |             | 1    |      | 1    | 1    |      | 1    |      | 3    |      |      | 2    | 1    | 1    |      | 3    | 1    | 1    |      | 3    | 1    |      | 3    | 1    | 1    | 1         | 1                  |
| Urinary Bladder                   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         | +                  |

\* .. 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 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |
|------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
|                  | 0730        | 0732  | 0734  | 0731  | 0733  | 0735  | 0736  | 0737  | 0738  | 0739  | 0740  | 0741  | 0742  | 0743  | 0744  | 0745  | 0746  | 0747  | 0748  | 0749  | 0750  | 0751  | 0752  |       |          |
| 6 MG/KG          | 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    |

ALIMENTARY SYSTEM

|                                       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |
|---------------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------|
| Esophagus                             | +   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 50     |
| Gallbladder                           | + + A + + + + + + + + + + + + + M + + + M + + + + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 44     |
| Intestine Large, Cecum                | + A + + + + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 49     |
| Intestine Large, Colon                | +   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 50     |
| Intestine Large, Rectum               | +   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 50     |
| Intestine Small, Duodenum             | +   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 50     |
| Intestine Small, Ileum                | M + + + + I + + + + + + + + + + + + + + + + + + + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 48     |
| Intestine Small, Jejunum              | +   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 49     |
| Liver                                 | +   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 50     |
| Clear Cell Focus                      | X X X X X X X X X X X                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 13     |
| Eosinophilic Focus                    | X X X X X X X X X X X                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 5      |
| Eosinophilic Focus, Multiple          | X X X X X X X X X X X                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1      |
| Inflammation, Chronic Active          | 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3 2.3  |
| Mixed Cell Focus                      | X X X X X X X X X X X                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 11     |
| Necrosis, Focal                       | 2 1 2   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 5 2.0  |
| Tension Lipidosis                     | 1   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1      |
| Centrilobular, Necrosis               | 1   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 3.0  |
| Hepatocyte, Vacuolization Cytoplasmic | 4 2 3   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 20 3.0 |
| Kupffer Cell, Hyperplasia             | 3   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 3.0  |
| Mesentery                             | +   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 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<br>6 MG/KG       | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |                       |  |
|-----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--|
|                                   | 0<br>7<br>3<br>0      | 0<br>7<br>2<br>9      | 0<br>6<br>6<br>4      | 0<br>7<br>3<br>1      | 0<br>7<br>3<br>0      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>9      | 0<br>7<br>2<br>4      | 0<br>7<br>3<br>0      | 0<br>7<br>3<br>9      | 0<br>7<br>2<br>4      | 0<br>7<br>3<br>0      | 0<br>7<br>3<br>1      | 0<br>7<br>3<br>0      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      | 0<br>6<br>7<br>5      | 0<br>7<br>3<br>0      | 0<br>7<br>2<br>9      | 0<br>7<br>2<br>9      |                       | 0<br>7<br>2<br>9      |  |
|                                   | ANIMAL ID             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |
|                                   | 0<br>0<br>1<br>2<br>6 | 0<br>0<br>1<br>2<br>7 | 0<br>0<br>1<br>2<br>8 | 0<br>0<br>1<br>2<br>9 | 0<br>0<br>1<br>3<br>0 | 0<br>0<br>1<br>3<br>1 | 0<br>0<br>1<br>3<br>2 | 0<br>0<br>1<br>3<br>3 | 0<br>0<br>1<br>3<br>4 | 0<br>0<br>1<br>3<br>5 | 0<br>0<br>1<br>3<br>6 | 0<br>0<br>1<br>3<br>7 | 0<br>0<br>1<br>3<br>8 | 0<br>0<br>1<br>3<br>9 | 0<br>0<br>1<br>4<br>0 | 0<br>0<br>1<br>4<br>1 | 0<br>0<br>1<br>4<br>2 | 0<br>0<br>1<br>4<br>3 | 0<br>0<br>1<br>4<br>4 | 0<br>0<br>1<br>4<br>5 | 0<br>0<br>1<br>4<br>6 | 0<br>0<br>1<br>4<br>7 | 0<br>0<br>1<br>4<br>8 | 0<br>0<br>1<br>4<br>9 |  |
| Fat, Necrosis                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | <b>2 3.0</b>          |                       |  |
| Pancreas                          | +                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | <b>50</b>             |                       |  |
| Atrophy                           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | <b>1 1.0</b>          |                       |  |
| Basophilic Focus                  | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | <b>2</b>              |                       |  |
| Acinus, Cytoplasmic Alteration    | 3 3                   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | <b>3 3.0</b>          |                       |  |
| Acinus, Hyperplasia, Focal        | 1                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | <b>1 1.0</b>          |                       |  |
| Salivary Glands                   | +                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | <b>50</b>             |                       |  |
| Infiltration Cellular, Lymphocyte | 3                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | <b>4 2.3</b>          |                       |  |
| Stomach, Forestomach              | +                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | <b>50</b>             |                       |  |
| Inflammation, Chronic             | 3 3 2                 |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | <b>3 2.7</b>          |                       |  |
| Epithelium, Hyperplasia           | 4 1 3 3 2             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | <b>8 2.8</b>          |                       |  |
| Stomach, Glandular                | +                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | <b>50</b>             |                       |  |
| Cyst                              | 3                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | <b>1 3.0</b>          |                       |  |
| Erosion                           | 3                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | <b>1 3.0</b>          |                       |  |
| Epithelium, Hyperplasia           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | <b>1 3.0</b>          |                       |  |
| Tooth                             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | <b>+</b>              |                       |  |
| <b>CARDIOVASCULAR SYSTEM</b>      |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |
| Heart                             | +                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | <b>50</b>             |                       |  |
| <b>ENDOCRINE SYSTEM</b>           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |
| Adrenal Cortex                    | +                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | <b>50</b>             |                       |  |
| Accessory Adrenal Cortical Nodule | 3 3 3 3 3             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | <b>7 3.0</b>          |                       |  |
| Hyperplasia, Focal                | 1 2                   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | <b>5 2.0</b>          |                       |  |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
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 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
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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  
 Time Report Requested: 13:12:57  
 First Dose M/F: 06/30/03 / 06/30/03  
 Lab: SRI

| B6C3F1 MICE MALE<br>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<br>Subcapsular, Hyperplasia                              | 2           | 1     |       | 1     |       |       |       |       | 2     |       |       |       | 1     |       |       |       | 1     | 1     | 1     | 1     |       |       |       | 2     | <b>20 1.5</b><br><b>4 2.5</b>             |
| Adrenal Medulla<br>Hyperplasia  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | <b>50</b><br><b>1 2.0</b>                 |
| Islets, Pancreatic<br>Hyperplasia   | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | <b>50</b><br><b>12 1.7</b>                |
| Parathyroid Gland   | +           | +     | +     | +     | +     | +     | M     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | <b>47</b>                                 |
| Pituitary Gland<br>Pars Distalis, Cyst<br>Pars Distalis, Hyperplasia, Focal | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | M     | +     | +     | +     | +     | +     | +     | <b>48</b><br><b>2 3.0</b><br><b>1 1.0</b> |
| Thyroid Gland<br>Follicle, Degeneration, Focal                              | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | <b>50</b><br><b>11 1.8</b>                |

**GENERAL BODY SYSTEM**

|            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |          |
|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------|
| Tissue NOS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <b>1</b> |
|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------|

**GENITAL SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Epididymis                                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b>                                  |
| Preputial Gland<br>Cyst<br>Inflammation, Chronic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b><br><b>7 3.0</b><br><b>10 2.6</b> |
| Prostate   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b>                                  |

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

| B6C3F1 MICE MALE<br>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  |          | 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    |      |   |     |   |   |   |   |   |   |   |   |   |    |     |     |
| 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 |   |   |   |   |   |   |   |   |   |    |     |     |
| <b>HEMATOPOIETIC SYSTEM</b>       |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |      |   |     |   |   |   |   |   |   |   |   |   |    |     |     |
| 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        |      |   |     |   |   |   |   |   |   |   |   |   | 9  | 1.9 |     |
| Lymph Node, Mesenteric            | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 47    |          |      |   |     |   |   |   |   |   |   |   |   |   |    |     |     |
| Angiectasis                       |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 2        |      |   |     |   |   |   |   |   |   |   |   |   | 3  | 2.7 |     |
| Atrophy                           |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 2        |      |   |     |   |   |   |   |   |   |   |   |   | 1  | 2.0 |     |
| Hemorrhage                        |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 2        |      |   |     |   |   |   |   |   |   |   |   |   | 6  | 2.0 |     |
| Hyperplasia, Lymphoid             |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 2        |      |   |     |   |   |   |   |   |   |   |   |   | 4  | 2.0 |     |
| Spleen                            | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50    |          |      |   |     |   |   |   |   |   |   |   |   |   |    |     |     |
| Hematopoietic Cell Proliferation  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 4        |      |   |     |   |   |   |   |   |   |   |   |   | 24 | 2.8 |     |
| Lymphoid Follicle, Atrophy        |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1        |      |   |     |   |   |   |   |   |   |   |   |   | 3  | 3.0 |     |
| Lymphoid Follicle, Hyperplasia    |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 2        |      |   |     |   |   |   |   |   |   |   |   |   | 5  | 2.0 |     |
| Thymus                            | +           | +     | +     | +     | +     | M     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 44    |          |      |   |     |   |   |   |   |   |   |   |   |   |    |     |     |
| M                                 |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |      |   |     |   |   |   |   |   |   |   |   |   |    |     |     |

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| B6C3F1 MICE MALE<br>6 MG/KG       | DAY ON TEST |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | * TOTALS |   |        |
|-----------------------------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|---|--------|
|                                   | 0730        | 0730   | 0734   | 0731   | 0733   | 0730   | 0730   | 0730   | 0730   | 0730   | 0730   | 0730   | 0730   | 0730   | 0730   | 0730   | 0730   | 0730   | 0730   | 0730   | 0730   | 0730   |          |   |        |
| ANIMAL ID                         | 001267      | 001268 | 001269 | 001270 | 001271 | 001272 | 001273 | 001274 | 001275 | 001276 | 001277 | 001278 | 001279 | 001280 | 001281 | 001282 | 001283 | 001284 | 001285 | 001286 | 001287 | 001288 |          |   |        |
| Nose                              | +           | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | 50       |   |        |
| Foreign Body                      |             |        | X      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 1        |   |        |
| Inflammation, Chronic             |             |        |        |        |        |        |        |        |        |        |        |        |        | 1      |        |        |        |        |        |        |        |        | 4 1.3    |   |        |
| Trachea                           | +           | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | 50       |   |        |
| <b>SPECIAL SENSES SYSTEM</b>      |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |   |        |
| Eye                               | +           | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | 50       |   |        |
| Inflammation, Chronic             |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 2      | 2 2.0    |   |        |
| Cornea, Hyperplasia               |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 2      | 1 2.0    |   |        |
| Harderian Gland                   | +           | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | 50       |   |        |
| <b>URINARY SYSTEM</b>             |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |   |        |
| Kidney                            | +           | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | 50       |   |        |
| Cyst                              |             |        |        | 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      | 1      | 2      | 1      | 3      | 2      | 3      | 2      |        | 1      | 1      | 2      | 1      | 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  
 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

|                         |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                            |
|-------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------------|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST | 0729  | 0729  | 0664  | 0773  | 0773  | 0772  | 0671  | 0773  | 0773  | 0773  | 0773  | 0676  | 0773  | 0773  | 0676  | 0773  | 0773  | 0676  | 0773  | 0577  | 0773  | 0773  | 0773  | <b>males<br/>(cont...)</b> |
|                         | 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 |                            |

**ALIMENTARY SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M |
| Gallbladder  | + | + | A | + | I | + | A | + | + | + | M | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum                                   | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon                                   | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum                                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum<br>Ulcer                       | + | + | A | + | + | + | A | + | + | + | + | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum                                   | + | + | A | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum<br>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 |   |   |   |   |   |   |   | 3 |   |
| Necrosis, Diffuse  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 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

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

Kupffer Cell, Pigmentation

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

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

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

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

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

Tongue

**CARDIOVASCULAR SYSTEM**

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

**ENDOCRINE SYSTEM**

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

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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

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

|                                   |   |  |   |  |   |  |   |  |  |   |  |   |  |   |   |  |  |  |  |  |   |   |   |  |  |  |  |  |   |  |
|-----------------------------------|---|--|---|--|---|--|---|--|--|---|--|---|--|---|---|--|--|--|--|--|---|---|---|--|--|--|--|--|---|--|
| Accessory Adrenal Cortical Nodule |   |  |   |  |   |  |   |  |  |   |  |   |  |   |   |  |  |  |  |  | 3 |   |   |  |  |  |  |  |   |  |
| Hyperplasia, Focal                |   |  |   |  |   |  |   |  |  |   |  |   |  |   |   |  |  |  |  |  | 1 | 1 |   |  |  |  |  |  |   |  |
| Hypertrophy, Focal                | 2   |  | 2 |  | 2 |  | 1 |  |  | 2 |  | 1 |  | 1 | 1 |  |  |  |  |  |   |   |   |  |  |  |  |  |   |  |
| Subcapsular, Hyperplasia          | 2   |  |   |  |   |  |   |  |  |   |  |   |  |   |   |  |  |  |  |  |   |   | 3 |  |  |  |  |  | 2 |  |
| Adrenal Medulla                   | +   |  |   |  |   |  |   |  |  |   |  |   |  |   |   |  |  |  |  |  |   |   |   |  |  |  |  |  |   |  |
| Islets, Pancreatic                | +   |  |   |  |   |  |   |  |  |   |  |   |  |   |   |  |  |  |  |  |   |   |   |  |  |  |  |  |   |  |
| Atrophy                           | 4   |  |   |  |   |  |   |  |  |   |  |   |  |   |   |  |  |  |  |  |   |   |   |  |  |  |  |  |   |  |
| Hyperplasia                       | 1 2 3 1 1   |  |   |  |   |  |   |  |  |   |  |   |  |   |   |  |  |  |  |  |   |   |   |  |  |  |  |  |   |  |
| Parathyroid Gland                 | + M + M + |  |   |  |   |  |   |  |  |   |  |   |  |   |   |  |  |  |  |  |   |   |   |  |  |  |  |  |   |  |
| Cyst                              | 3 3 3   |  |   |  |   |  |   |  |  |   |  |   |  |   |   |  |  |  |  |  |   |   |   |  |  |  |  |  |   |  |
| Pituitary Gland                   | + M + + |  |   |  |   |  |   |  |  |   |  |   |  |   |   |  |  |  |  |  |   |   |   |  |  |  |  |  |   |  |
| Pars Distalis, Cyst               |   |  |   |  |   |  |   |  |  |   |  |   |  |   |   |  |  |  |  |  |   |   |   |  |  |  |  |  |   |  |
| Thyroid Gland                     | + + + M + |  |   |  |   |  |   |  |  |   |  |   |  |   |   |  |  |  |  |  |   |   |   |  |  |  |  |  |   |  |
| Follicle, Cyst                    | 3   |  |   |  |   |  |   |  |  |   |  |   |  |   |   |  |  |  |  |  |   |   |   |  |  |  |  |  |   |  |
| Follicle, Degeneration, Focal     | 1 1 3 2 1 2 3                                     |  |   |  |   |  |   |  |  |   |  |   |  |   |   |  |  |  |  |  |   |   |   |  |  |  |  |  |   |  |

**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  
 + .. 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 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | ANIMAL ID | males<br>(cont...) |   |   |   |  |
|------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------------|---|---|---|--|
|                  |             | 7 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |   |   |   |  |
| 12 MG/KG         |             | 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 | 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 |  |
|                  |             | 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 |  |
|                  |             | 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 |  |

|                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
|------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| Cyst                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3 |
| Preputial Gland              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
| Cyst                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
| Inflammation, Chronic        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
| Prostate                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
| Seminal Vesicle              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
| Testes                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
| Germinal Epithelium, Atrophy |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |

**HEMATOPOIETIC SYSTEM**

|                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Bone Marrow                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Hyperplasia                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lymph Node                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lymph Node, Mandibular           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Hemorrhage                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Hyperplasia, Lymphoid            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pigmentation                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lymph Node, Mesenteric           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Atrophy                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ectasia                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Hematopoietic Cell Proliferation |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Hemorrhage                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Hyperplasia, Lymphoid            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

\* .. 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

|  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                  |   |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------|---|
| <b>B6C3F1 MICE MALE</b><br><br><b>12 MG/KG</b> | 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 | 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 | 9 | 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                |   |
|  | 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                |   |
|  | 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 | 5                |   |
|  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                  |   |
|  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>males</b>     |   |
|  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>(cont...)</b> |   |

|                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Infiltration Cellular, Plasma Cell |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |
| Spleen                             | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Hematopoietic Cell Proliferation   | 2 | 3 |   | 4 | 3 |   | 4 | 2 | 1 |   |   |   | 2 |   | 3 | 4 |   | 4 | 4 | 4 |   | 2 |   |   | 1 |   |   |
| Lymphoid Follicle, Atrophy         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymphoid Follicle, Hyperplasia     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |
| Thymus                             | + | + | + | M | + | + | I | + | + | + | + | + | + | + | + | + | + | M | M | I | + | + | + | + | M |   |   |
| Atrophy                            |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |
| Cyst                               |   |   | 3 |   |   | 3 |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hyperplasia, Lymphoid              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**INTEGUMENTARY SYSTEM**

|                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skin                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Edema                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   | 3 |   |   |   |   |
| Ulcer                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4 | 4 |   |   |   |   |   |
| Epidermis, Hyperplasia |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4 |   |   |   |   |   |   |

**MUSCULOSKELETAL SYSTEM**

|                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone                   | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cranium, Osteopetrosis |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |
| Skeletal Muscle        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**NERVOUS SYSTEM**

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

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

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

Necrosis 3

**RESPIRATORY SYSTEM**

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

**SPECIAL SENSES SYSTEM**

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

**URINARY SYSTEM**

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

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 + .. Tissue examined microscopically  
 X .. Lesion present  
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 First Dose M/F: 06/30/03 / 06/30/03  
 Lab: SRI

|  |             |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                            |                      |
|--|-------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|----------------------|
| <b>B6C3F1 MICE MALE</b>  | DAY ON TEST | 07<br>29             | 07<br>29             | 06<br>04             | 07<br>03             | 07<br>03             | 07<br>02             | 07<br>01             | 07<br>09             | 06<br>03             | 07<br>02             | 07<br>03             | 07<br>02             | 07<br>03             | 06<br>00             | 07<br>03             | 06<br>07             | 07<br>03             | 06<br>09             | 07<br>03             | 05<br>07             | 07<br>02             | 07<br>03             | 07<br>03             | <b>males<br/>(cont...)</b> |                      |
|  | 12 MG/KG    | 00<br>01<br>05<br>01 | 00<br>01<br>05<br>02 | 00<br>01<br>05<br>03 | 00<br>01<br>05<br>04 | 00<br>01<br>05<br>05 | 00<br>01<br>05<br>06 | 00<br>01<br>05<br>07 | 00<br>01<br>05<br>08 | 00<br>01<br>05<br>09 | 00<br>00<br>06<br>00 | 00<br>01<br>06<br>01 | 00<br>01<br>06<br>02 | 00<br>01<br>06<br>03 | 00<br>01<br>06<br>04 | 00<br>00<br>06<br>05 | 00<br>01<br>06<br>06 | 00<br>01<br>06<br>07 | 00<br>00<br>06<br>08 | 00<br>00<br>06<br>09 | 00<br>00<br>07<br>00 | 00<br>00<br>07<br>01 | 00<br>00<br>07<br>02 | 00<br>00<br>07<br>03 |                            | 00<br>00<br>07<br>04 |
|  | ANIMAL ID   |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                            |                      |
| Artery, Inflammation, Chronic Active<br>Renal Tubule, Pigmentation |             |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      | 3                          |                      |
| Urinary Bladder<br>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

|  |                 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|--|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <b>B6C3F1 MICE MALE</b><br><b>12 MG/KG</b> | DAY ON TEST     | 0730  | 0731  | 0731  | 0704  | 0779  | 0770  | 0745  | 0772  | 0772  | 0772  | 0747  | 0755  | 0774  | 0777  | 0777  | 0751  | 0773  | 0773  | 0772  | 0772  | 0777  | 0777  | 0773  | 0773  | 0773  | 0773  |
|  | ANIMAL ID       | 00176 | 00017 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 |
|  | <b>* TOTALS</b> |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |

**ALIMENTARY SYSTEM**

|  |   |   |  |  |   |   |  |   |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |   |              |               |              |
|--|---|---|--|--|---|---|--|---|---|---|--|---|---|---|---|---|---|--|--|---|--|--|--|---|--------------|---------------|--------------|
| Esophagus  | + |   |  |  |   |   |  |   |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |   |              | <b>49</b>     |              |
| Gallbladder  | + |   |  |  |   |   |  |   |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |   |              | <b>41</b>     |              |
| Intestine Large, Cecum                                   | + |   |  |  |   |   |  |   |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |   |              | <b>49</b>     |              |
| Intestine Large, Colon                                   | + |   |  |  |   |   |  |   |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |   |              | <b>49</b>     |              |
| Intestine Large, Rectum                                  | + |   |  |  |   |   |  |   |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |   |              | <b>50</b>     |              |
| Intestine Small, Duodenum<br>Ulcer                       | + |   |  |  |   |   |  |   |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |   |              | <b>46</b>     | <b>1 2.0</b> |
| Intestine Small, Ileum                                   | + |   |  |  |   |   |  |   |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |   |              | <b>47</b>     |              |
| Intestine Small, Jejunum<br>Inflammation, Chronic Active | + |   |  |  |   |   |  |   |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |   |              | <b>46</b>     | <b>1 3.0</b> |
| Liver  | + |   |  |  |   |   |  |   |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |   |              | <b>50</b>     |              |
| Basophilic Focus   | X |   |  |  |   |   |  |   |   |   |  |   |   |   | X |   |   |  |  |   |  |  |  |   |              |               | <b>5</b>     |
| Clear Cell Focus   | X | X |  |  | X |   |  | X | X | X |  | X | X | X |   | X |   |  |  |   |  |  |  |   |              | X             | <b>21</b>    |
| Eosinophilic Focus                                       |   |   |  |  |   |   |  |   |   |   |  |   |   |   | X |   |   |  |  |   |  |  |  |   |              |               | <b>5</b>     |
| Hematopoietic Cell Proliferation                         |   |   |  |  | 4 |   |  |   |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |   |              |               | <b>1 4.0</b> |
| Hemorrhage   |   |   |  |  |   |   |  |   |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |   |              |               | <b>1 2.0</b> |
| Inflammation, Chronic Active                             |   |   |  |  | 3 |   |  |   |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |   | 3            | <b>3 3.0</b>  |              |
| Mixed Cell Focus   | X |   |  |  |   |   |  | X |   |   |  |   |   |   |   |   | X |  |  | X |  |  |  |   |              | <b>7</b>      |              |
| Necrosis, Focal  |   |   |  |  |   |   |  |   |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |   |              | <b>3 2.3</b>  |              |
| Necrosis, Diffuse  |   |   |  |  |   |   |  |   |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  | 3 | <b>1 3.0</b> |               |              |
| Hepatocyte, Vacuolization Cytoplasmic                    | 3 | 3 |  |  | 3 | 3 |  |   | 3 |   |  |   | 3 | 3 |   |   | 3 |  |  |   |  |  |  |   | 2            | <b>17 2.8</b> |              |

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 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
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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 MALE | 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 |  |
| 12 MG/KG         | 7           | 7 | 7 | 0 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 4 | 5 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7        |   |  |
|                  | 3           | 3 | 3 | 0 | 0 | 3 | 5 | 2 | 2 | 3 | 3 | 7 | 4 | 3 | 3 | 3 | 1 | 3 | 3 | 2 | 3 | 3        | 3 |  |
|                  | 0           | 1 | 1 | 4 | 9 | 0 | 6 | 9 | 2 | 9 | 0 | 0 | 5 | 0 | 1 | 1 | 8 | 0 | 0 | 0 | 0 | 0        | 0 |  |
|                  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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        | 2 |  |
|                  | 7           | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 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 |  |
|                  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          | 0 |  |

Kupffer Cell, Pigmentation 3 1 3.0

Mesentery + + + 7  
 Fat, Necrosis 3 3 3 6 2.7

Pancreas + 50  
 Atrophy 3 2 2.5  
 Acinus, Cytoplasmic Alteration 1 3.0

Salivary Glands + 50  
 Infiltration Cellular, Lymphocyte 3 2 3 2.3

Stomach, Forestomach + 50  
 Inflammation, Chronic 1 2 3 1.3  
 Epithelium, Hyperplasia 2 3 2.0

Stomach, Glandular + 49  
 Erosion 2 1 2.0  
 Epithelium, Metaplasia, Squamous 1 1.0

Tongue + 1

**CARDIOVASCULAR SYSTEM**

Heart + 50  
 Cardiomyopathy 1 1.0  
 Inflammation, Chronic Active 2 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 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<br>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                                      | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     |       | 50              |
| Islets, Pancreatic Atrophy                           | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     |       | 50              |
| Hyperplasia  |             |       |       |       |       |       |       | 2     |       | 2     |       |       | 1     |       |       |       |       |       | 2     |       |       |       |       | 3     | 1 4.0<br>10 1.8 |
| Parathyroid Gland Cyst                               | +           | +     |       | +     | +     | +     | M     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | M     | +     | +     | +     | +     | +     |       | 46              |
|  |             |       |       | 3     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 4 3.0           |
| Pituitary Gland Pars Distalis, Cyst                  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     |       | 49              |
|  |             |       |       | 3     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 3     |       | 2 3.0           |
| Thyroid Gland Follicle, Cyst                         | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     |       | 49              |
| Follicle, Degeneration, Focal                        |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1     | 1 3.0<br>16 1.8 |
| <b>GENERAL BODY SYSTEM</b>                           |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                 |
| Tissue NOS   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | +     | 1               |
| <b>GENITAL SYSTEM</b>                                |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                 |
| Epididymis Inflammation, Chronic                     | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     |       | 50              |
|  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 2     | 1 2.0           |
| Penis  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1               |

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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  
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 Lab: SRI

| B6C3F1 MICE MALE<br>12 MG/KG     | DAY ON TEST |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | * TOTALS |        |        |
|----------------------------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|--------|--------|
|                                  | 0730        | 0731   | 0734   | 0739   | 0740   | 0743   | 0747   | 0749   | 0752   | 0756   | 0759   | 0763   | 0767   | 0770   | 0774   | 0777   | 0781   | 0784   | 0788   | 0791   |          | 0795   |        |
| ANIMAL ID                        | 001766      | 001767 | 001768 | 001769 | 001770 | 001771 | 001772 | 001773 | 001774 | 001775 | 001776 | 001777 | 001778 | 001779 | 001780 | 001781 | 001782 | 001783 | 001784 | 001785 | 001786   |        |        |
| 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  |        |
| <b>HEMATOPOIETIC SYSTEM</b>      |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |        |        |
| Bone Marrow                      | +           | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +        | 50     |        |
| Hyperplasia                      |             |        | 3      |        | 4      |        | 4      |        |        |        |        | 3      | 3      | 2      |        | 2      |        |        |        |        | 3        | 2      | 21 2.8 |
| Lymph Node                       |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | +        | 1      |        |
| Lymph Node, Mandibular           | +           | +      | +      | +      | +      | +      | M      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | I      | +      | +      | +        | 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  |        |

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 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<br>12 MG/KG       | DAY ON TEST |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | * TOTALS |        |        |        |
|------------------------------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|--------|--------|--------|
|                                    | 0730        | 0731   | 0734   | 0739   | 0770   | 0771   | 0774   | 0777   | 0779   | 0780   | 0783   | 0785   | 0786   | 0787   | 0788   | 0789   | 0790   | 0793   | 0794   | 0795   |          | 0796   | 0797   | 0798   |
| ANIMAL ID                          | 001766      | 001767 | 001768 | 001769 | 001770 | 001771 | 001772 | 001773 | 001774 | 001775 | 001776 | 001777 | 001778 | 001779 | 001780 | 001781 | 001782 | 001783 | 001784 | 001785 | 001786   | 001787 | 001788 | 001789 |
| 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  |
| <b>INTEGUMENTARY SYSTEM</b>        |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |        |        |        |
| Mammary Gland                      | +           | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +        | +      | +      | 50     |
| Skin                               | +           | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +        | +      | +      | 50     |
| Edema                              |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |        |        | 2 2.5  |
| Ulcer                              |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |        |        | 2 4.0  |
| Epidermis, Hyperplasia             |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |        |        | 1 4.0  |
| <b>MUSCULOSKELETAL SYSTEM</b>      |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |        |        |        |
| Bone                               | +           | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +        | +      | +      | 49     |
| Cranium, Osteopetrosis             |             |        |        |        |        |        |        |        |        |        |        |        |        |        | 3      |        |        |        |        |        |          |        |        | 2 3.0  |
| Skeletal Muscle                    |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |        | +      | 1      |
| <b>NERVOUS SYSTEM</b>              |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |        |        |        |
| 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  
 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<br>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               | ANIMAL ID |  |   |
|------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|-----------|--|---|
|                              | 0           | 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 | 0 | 0 | 3 | 5 | 2 | 2 | 3 | 3 | 7 | 4 | 3 | 3 | 3 | 1 | 3 | 3 | 2 | 3 | 2 | 3               | 3         |  |   |
|                              |             | 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         |  |   |
|                              |             | 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         |  |   |
|                              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>* TOTALS</b> |           |  |   |

Necrosis 1 3.0

**RESPIRATORY SYSTEM**

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

**SPECIAL SENSES SYSTEM**

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

**URINARY SYSTEM**

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |        |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--------|
| Kidney                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |        |
| Cyst                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |        |
| Infarct                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  | 9 3.0  |
| Infiltration Cellular, Lymphocyte |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  | 5 1.6  |
| Metaplasia, Osseous               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  | 5 2.2  |
| Nephropathy                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  | 6 1.7  |
|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  | 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  
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Route: GAVAGE  
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alpha/beta Thujone mixture  
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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            |
|--------------------------------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|----|--------------|
| <b>B6C3F1 MICE MALE</b>              | 7               | 7 | 7 | 0 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 4 | 5 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7            | 7  | 7            |
| <b>12 MG/KG</b>                      | 3               | 3 | 3 | 0 | 0 | 3 | 5 | 2 | 2 | 3 | 3 | 7 | 4 | 3 | 3 | 3 | 1 | 3 | 3 | 2 | 3 | 2 | 3            | 3  | 3            |
|                                      | 0               | 1 | 1 | 4 | 9 | 0 | 6 | 9 | 9 | 0 | 0 | 0 | 5 | 0 | 1 | 1 | 8 | 0 | 0 | 9 | 0 | 0 | 0            | 0  | 0            |
| DAY ON TEST                          | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0            | 0  | 0            |
| ANIMAL ID                            | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0            | 0  | 0            |
|                                      | 1               | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 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            | 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  | 0            |
|                                      | <b>* TOTALS</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |              |    |              |
| Artery, Inflammation, Chronic Active | 3               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1 3.0</b> |    |              |
| Renal Tubule, Pigmentation           |                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1 3.0</b> |    |              |
| Urinary Bladder Dilatation           | +               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +            | 50 | <b>1 4.0</b> |

\* .. 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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**First Dose M/F:** 06/30/03 / 06/30/03  
**Lab:** SRI

|                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                            |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------------|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <b>males<br/>(cont...)</b> |
|                         | ANIMAL ID   | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 |                            |

**ALIMENTARY SYSTEM**

|                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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  
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 1-4 .. Lesion qualified as:  
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|                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                            |   |   |   |   |  |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------------|---|---|---|---|--|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <b>25 MG/KG</b> | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <b>males<br/>(cont...)</b> |   |   |   |   |  |
|                         |             | 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 |   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |   |   |                            |   |   |   |   |  |
|                         |             | 8 | 3 | 3 | 9 | 3 | 3 | 6 | 3 | 5 | 2 | 2 | 3 | 4 | 6 | 8 | 5 | 2 | 1 | 7 | 9 | 3 | 2 |                 | 2         | 3 | 4 |   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |   |                            |   |   |   |   |  |
|                         | 3           | 5 | 9 | 1 | 1 | 1 | 8 | 9 | 1 | 9 | 9 | 1 | 1 | 5 | 8 | 0 | 9 | 2 | 4 | 0 | 4 | 9 | 2 | 0               | 6         | 9 |   | 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 |  |

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|
| Fat, Necrosis  | 3 |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |  |  |
| Pancreas Atrophy   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |  |
| Salivary Glands Infiltration Cellular, Lymphocyte                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |  |
| Stomach, Forestomach Inflammation, Chronic Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | + | + | 3 | + | + | + | + | + | + | + | + | + | + | + | + | + |  |  |
|  |   |   |   |   |   | 1 |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| Stomach, Glandular Epithelium, Hyperplasia                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |  |

**CARDIOVASCULAR SYSTEM**

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

**ENDOCRINE SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Accessory Adrenal Cortical Nodule Cyst |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Degeneration, Fatty                    |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hyperplasia, Focal                     |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hypertrophy, Focal                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Subcapsular, Hyperplasia               |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |
| Adrenal Medulla                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

\* .. 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<br>25 MG/KG                | DAY ON TEST | 0183 | 0135 | 0239 | 0273 | 0771 | 0726 | 0223 | 0335 | 0779 | 0779 | 0771 | 0223 | 0334 | 0668 | 0885 | 0222 | 0227 | 0222 | 0179 | 0333 | 0772 | 0220 | 0174 | 0332 | 0773 | 0226 | 0173 | 0334 | 0774 | 0229 |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|   | ANIMAL ID   | 0001 | 0002 | 0003 | 0004 | 0005 | 0006 | 0007 | 0008 | 0009 | 0010 | 0011 | 0012 | 0013 | 0014 | 0015 | 0016 | 0017 | 0018 | 0019 | 0020 | 0021 | 0022 | 0023 | 0024 | 0025 | 0026 | 0027 | 0028 | 0029 | 0030 |
| 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    | +    | +    | +    | +    | +    | +    | +    | +    |      |
| <b>GENERAL BODY SYSTEM</b>                  |             | NONE |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| <b>GENITAL SYSTEM</b>                       |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Epididymis                                  |             | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |      |
| Preputial Gland Cyst Inflammation, Chronic  |             | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 3    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 3    | +    | +    | 2    | +    | 3    | +    |
| Prostate                                    |             | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |
| Seminal Vesicle                             |             | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |
| Testes                                      |             | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |

males (cont...)

**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





| B6C3F1 MICE MALE<br>25 MG/KG | DAY ON TEST |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ANIMAL ID                | males<br>(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 |                          |                    |
|                              | 0           | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 000000000000000000000000 |                    |
|                              | 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  | 000000000000000000000000 |                    |
|                              | 8           | 3  | 3  | 9  | 3  | 3  | 6  | 3  | 5  | 2  | 2  | 3  | 4  | 6  | 8  | 5  | 2  | 1  | 7  | 9  | 3  | 2  | 2  | 3  | 4  | 000000000000000000000000 |                    |
|                              | 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  | 000000000000000000000000 |                    |
|                              | 0           | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 000000000000000000000000 |                    |
|                              | 0           | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 000000000000000000000000 |                    |
|                              | 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  | 000000000000000000000000 |                    |
|                              | 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  | 000000000000000000000000 |                    |
|                              | 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  | 000000000000000000000000 |                    |

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 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Cornea, Ulcer         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Harderian Gland       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

**URINARY SYSTEM**

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cyst                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hydronephrosis                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Infarct                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 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:  
 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<br>25 MG/KG         | DAY ON TEST | ANIMAL ID |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | males<br>(cont...) |
|--------------------------------------|-------------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------------------|
|                                      |             | 0183      | 0185 | 0189 | 0191 | 0193 | 0197 | 0201 | 0203 | 0205 | 0209 | 0211 | 0213 | 0217 | 0219 | 0221 | 0225 | 0227 | 0229 | 0233 | 0235 | 0237 | 0241 | 0243 | 0245 | 0249 |                    |
| Papilla, Necrosis                    |             | 2         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                    |
| Renal Tubule, Dilatation, Focal      |             | 2         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                    |
| Renal Tubule, Hyperplasia            |             |           |      |      | 2    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                    |
| Urinary Bladder                      |             | +         | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +                  |
| Transitional Epithelium, Hyperplasia |             |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                    |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
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TDMS No. 99037 - 06  
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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 MALE<br>25 MG/KG | DAY ON TEST  |            |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              | * TOTALS   |              |              |              |  |
|------------------------------|--------------|------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|--------------|--------------|--------------|--|
|                              | 0117<br>0706 | 0276       | 0719<br>0905 | 0021<br>0001 | 0723<br>0901 | 0273<br>0301 | 0723<br>0301 | 0273<br>0301 | 0723<br>0301 | 0273<br>0301 | 0723<br>0301 | 0273<br>0301 | 0723<br>0301 | 0273<br>0301 | 0723<br>0301 | 0273<br>0301 | 0723<br>0301 | 0273<br>0301 | 0723<br>0301 | 0273<br>0301 | 0723<br>0301 | 0273<br>0301 |            | 0723<br>0301 | 0273<br>0301 | 0723<br>0301 |  |
| ANIMAL ID                    |              |            |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |            |              |              |              |  |
|                              | 0022223301   | 0022223302 | 0022223303   | 0022223304   | 0022223305   | 0022223306   | 0022223307   | 0022223308   | 0022223309   | 0022223310   | 0022223311   | 0022223312   | 0022223313   | 0022223314   | 0022223315   | 0022223316   | 0022223317   | 0022223318   | 0022223319   | 0022223320   | 0022223321   | 0022223322   | 0022223323 | 0022223324   | 0022223325   | 0022223326   |  |

**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     |    |

\* .. 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

|                         |             |                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------|-------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <b>B6C3F1 MICE MALE</b> | 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 |   |   |
|                         |             | 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 |
| <b>25 MG/KG</b>         | ANIMAL ID   | 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 |
|                         |             | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                         |             | 0               | 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 | 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 |
|                         |             | <b>* TOTALS</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |            |           |           |            |            |            |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|------------|-----------|-----------|------------|------------|------------|
| Fat, Necrosis  | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>3</b> | <b>2.7</b> |           |           |            |            |            |
| Pancreas Atrophy   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | +          | <b>50</b> | <b>1</b>  | <b>1.0</b> |            |            |
| Salivary Glands Infiltration Cellular, Lymphocyte                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | +          | +         | <b>50</b> | <b>1</b>   | <b>2.0</b> |            |
| Stomach, Forestomach Inflammation, Chronic Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3        | 3          | 3         | 3         | <b>50</b>  | <b>2</b>   | <b>3.0</b> |
| Stomach, Glandular Epithelium, Hyperplasia                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | +          | +         | +         | <b>50</b>  | <b>1</b>   | <b>2.0</b> |

**CARDIOVASCULAR SYSTEM**

|       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|

**ENDOCRINE SYSTEM**

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |            |   |   |           |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|------------|---|---|-----------|
| Adrenal Cortex                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | +          | + | + | <b>50</b> |
| Accessory Adrenal Cortical Nodule | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>3</b> | <b>3</b>   |   |   |           |
| Cyst                              | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b> | <b>1.0</b> |   |   |           |
| Degeneration, Fatty               | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b> | <b>1.0</b> |   |   |           |
| Hyperplasia, Focal                | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b> | <b>3.0</b> |   |   |           |
| Hypertrophy, Focal                | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>2</b> | <b>1.5</b> |   |   |           |
| Subcapsular, Hyperplasia          | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>2</b> | <b>2.0</b> |   |   |           |
| Adrenal Medulla                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | +          | + | + | <b>50</b> |

\* .. 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<br>25 MG/KG   | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |                       |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|  | 0<br>1<br>1<br>7      | 0<br>2<br>0<br>6      | 0<br>2<br>7<br>6      | 0<br>7<br>2<br>9      | 0<br>1<br>7<br>1      | 0<br>2<br>9<br>5      | 0<br>7<br>3<br>1      | 0<br>2<br>3<br>9      | 0<br>2<br>3<br>1      | 0<br>2<br>2<br>5      | 0<br>7<br>2<br>9      | 0<br>7<br>3<br>9      | 0<br>2<br>3<br>2      | 0<br>2<br>3<br>3      | 0<br>6<br>8<br>3      | 0<br>6<br>8<br>7      | 0<br>2<br>3<br>5      | 0<br>3<br>3<br>1      | 0<br>7<br>3<br>3      | 0<br>2<br>5<br>4      | 0<br>6<br>0<br>4      | 0<br>3<br>7<br>4      | 0<br>1<br>3<br>1      | 0<br>7<br>9<br>1      | 0<br>7<br>2<br>9      |                       |                       |
|  | ANIMAL ID             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
|  | 0<br>0<br>2<br>2<br>6 | 0<br>0<br>2<br>2<br>7 | 0<br>0<br>2<br>2<br>8 | 0<br>0<br>2<br>2<br>9 | 0<br>0<br>2<br>3<br>0 | 0<br>0<br>2<br>3<br>1 | 0<br>0<br>2<br>3<br>2 | 0<br>0<br>2<br>3<br>3 | 0<br>0<br>2<br>3<br>3 | 0<br>0<br>2<br>3<br>3 | 0<br>0<br>2<br>3<br>3 | 0<br>0<br>2<br>3<br>3 | 0<br>0<br>2<br>3<br>3 | 0<br>0<br>2<br>3<br>3 | 0<br>0<br>2<br>4<br>0 | 0<br>0<br>2<br>4<br>1 | 0<br>0<br>2<br>4<br>2 | 0<br>0<br>2<br>4<br>3 | 0<br>0<br>2<br>4<br>4 | 0<br>0<br>2<br>4<br>4 | 0<br>0<br>2<br>4<br>4 | 0<br>0<br>2<br>4<br>4 | 0<br>0<br>2<br>4<br>4 | 0<br>0<br>2<br>4<br>4 | 0<br>0<br>2<br>4<br>4 | 0<br>0<br>2<br>4<br>5 | 0<br>0<br>2<br>4<br>6 |
| Bone Marrow<br>Hyperplasia   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50                    |                       |
|  |                       |                       |                       | 4                     |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     | 3                     |                       |                       |                       |                       |                       | 3                     |                       |                       |                       | 2                     | 7 2.7                 |                       |
| Lymph Node, Mandibular<br>Hyperplasia, Lymphoid  | +                     | +                     | +                     | +                     | +                     | M                     | +                     | +                     | +                     | +                     | M                     | +                     | I                     | +                     | M                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 44                    |                       |                       |
|  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1 2.0                 |                       |                       |
| Lymph Node, Mesenteric<br>Hemorrhage<br>Hyperplasia, Lymphoid                                | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50                    |                       |                       |
|  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 3                     |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |                       | 1 1.0                 |                       |                       |
|  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     | 3 2.7                 |                       |                       |
| Spleen<br>Hematopoietic Cell Proliferation<br>Pigmentation<br>Lymphoid Follicle, Hyperplasia | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50                    |                       |                       |
|  |                       |                       |                       |                       | 3                     |                       |                       |                       |                       |                       |                       |                       |                       |                       | 3                     | 2                     |                       |                       |                       |                       | 2                     |                       | 3                     |                       | 9 2.4                 |                       |                       |
|  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 3                     | 1 3.0                 |                       |                       |
|  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     |                       | 1 2.0                 |                       |                       |
| Thymus<br>Atrophy  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 49                    |                       |                       |
|  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     | 2 2.5                 |                       |                       |
| <b>INTEGUMENTARY SYSTEM</b>  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Mammary Gland  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50                    |                       |                       |
| Skin   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50                    |                       |                       |
| <b>MUSCULOSKELETAL SYSTEM</b>  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Bone   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50                    |                       |                       |
| <b>NERVOUS SYSTEM</b>  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| 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  
 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           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS |                       |   |
|------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|-----------------------|---|
|                  | 0<br>1<br>1<br>7      | 0<br>2<br>0<br>6      | 0<br>2<br>7<br>6      | 0<br>7<br>2<br>9      | 0<br>1<br>7<br>5      | 0<br>2<br>9<br>1      | 0<br>7<br>3<br>9      | 0<br>2<br>3<br>1      | 0<br>2<br>2<br>3      | 0<br>2<br>5<br>9      | 0<br>7<br>2<br>9      | 0<br>7<br>3<br>9      | 0<br>2<br>3<br>2      | 0<br>2<br>3<br>3      | 0<br>6<br>8<br>8      | 0<br>6<br>2<br>5      | 0<br>2<br>3<br>1      | 0<br>3<br>3<br>4      | 0<br>7<br>5<br>4      | 0<br>2<br>6<br>7      | 0<br>3<br>7<br>4      | 0<br>7<br>3<br>1      | 0<br>1<br>9<br>0      |                       |          |                       |   |
| 25 MG/KG         | ANIMAL ID             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS |                       |   |
|                  | 0<br>0<br>2<br>2<br>6 | 0<br>0<br>2<br>2<br>7 | 0<br>0<br>2<br>2<br>8 | 0<br>0<br>2<br>2<br>9 | 0<br>0<br>2<br>3<br>0 | 0<br>0<br>2<br>3<br>1 | 0<br>0<br>2<br>3<br>2 | 0<br>0<br>2<br>3<br>3 | 0<br>0<br>2<br>3<br>3 | 0<br>0<br>2<br>3<br>3 | 0<br>0<br>2<br>3<br>3 | 0<br>0<br>2<br>3<br>3 | 0<br>0<br>2<br>3<br>3 | 0<br>0<br>2<br>3<br>3 | 0<br>0<br>4<br>4<br>0 | 0<br>0<br>2<br>4<br>1 | 0<br>0<br>2<br>4<br>2 | 0<br>0<br>2<br>4<br>3 | 0<br>0<br>2<br>4<br>4 | 0<br>0<br>2<br>4<br>4 | 0<br>0<br>2<br>4<br>4 | 0<br>0<br>2<br>4<br>4 | 0<br>0<br>2<br>4<br>4 | 0<br>0<br>2<br>4<br>5 |          | 0<br>0<br>2<br>4<br>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 |
|                  | 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 |

Pigmentation

1

1 1.0

**RESPIRATORY SYSTEM**

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

**SPECIAL SENSES SYSTEM**

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

**URINARY SYSTEM**

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

|                         |                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |   |   |   |   |   |   |              |  |
|-------------------------|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|---|---|---|---|---|---|---|---|--------------|--|
| <b>B6C3F1 MICE MALE</b> | 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            |  |
|                         |                                      | 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 | 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 | 2               | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 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 | 9 | 9               | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9            |  |
| <b>25 MG/KG</b>         | ANIMAL ID                            | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |              |  |
|                         |                                      | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 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 | 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 | 0 | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0            |  |
|                         |                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |   |   |   |   |   |   |              |  |
|                         |                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>* TOTALS</b> |   |   |   |   |   |   |   |   |   |              |  |
|                         | Papilla, Necrosis                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1 2.0</b>    |   |   |   |   |   |   |   |   |   |              |  |
|                         | Renal Tubule, Dilatation, Focal      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1 2.0</b>    |   |   |   |   |   |   |   |   |   |              |  |
|                         | Renal Tubule, Hyperplasia            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1 2.0</b>    |   |   |   |   |   |   |   |   |   |              |  |
|                         | Urinary Bladder                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +               | + | + | + | + | + | + | + | + | + | 50           |  |
|                         | Transitional Epithelium, Hyperplasia |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |   |   |   |   | 2 |   | <b>1 2.0</b> |  |

\*\*\* 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

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

|   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |   |   |   |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|---|---|---|---|---|---|---|
| <b>B6C3F1 MICE FEMALE</b><br><br><b>0 MG/KG</b> | 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 |
|   |             | 7 | 7 | 7 | 0 | 7 | 7 | 7 | 7 | 2 | 5 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 3 | 7 | 7 | 6 | 7 | 1 | 7 | 6 | 7 | 1 | 7 | 7                    | 6 | 7 | 1 | 7 | 7 | 7 | 7 |
|   |             | 3 | 1 | 3 | 9 | 3 | 3 | 3 | 3 | 9 | 6 | 3 | 3 | 3 | 3 | 9 | 6 | 3 | 3 | 3 | 3 | 2 | 3 | 4 | 3 | 2 | 3 | 2 | 3 | 2                    | 3 | 2 | 3 | 2 | 3 | 2 | 3 |
|   | 3           | 5 | 3 | 5 | 3 | 2 | 2 | 2 | 6 | 4 | 3 | 3 | 3 | 3 | 3 | 1 | 9 | 3 | 0 | 3 | 2 | 8 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 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 | 0 | 0 |
|   |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 |
|   |             | 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 | 6 | 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 | 6 | 7 | 8 | 9                    | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
|   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | females<br>(cont...) |   |   |   |   |   |   |   |

**ALIMENTARY SYSTEM**

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

**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<br>(cont...) |
|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|
|                    | 0<br>7<br>3<br>3      | 0<br>7<br>1<br>5      | 0<br>7<br>3<br>3      | 0<br>0<br>9<br>5      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>2<br>9<br>6      | 0<br>5<br>6<br>4      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      | 0<br>6<br>9<br>1      | 0<br>6<br>6<br>9      | 0<br>7<br>3<br>0      | 0<br>7<br>3<br>2      | 0<br>6<br>3<br>8      | 0<br>7<br>2<br>2      | 0<br>1<br>3<br>2      | 0<br>7<br>4<br>2      | 0<br>7<br>3<br>2      |                       |                       |                      |
| 0 MG/KG            | 0<br>0<br>2<br>5<br>1 | 0<br>0<br>2<br>5<br>2 | 0<br>0<br>2<br>5<br>3 | 0<br>0<br>2<br>5<br>4 | 0<br>0<br>2<br>5<br>5 | 0<br>0<br>2<br>5<br>6 | 0<br>0<br>2<br>5<br>7 | 0<br>0<br>2<br>5<br>8 | 0<br>0<br>2<br>5<br>9 | 0<br>0<br>2<br>6<br>0 | 0<br>0<br>2<br>6<br>1 | 0<br>0<br>2<br>6<br>2 | 0<br>0<br>2<br>6<br>3 | 0<br>0<br>2<br>6<br>4 | 0<br>0<br>2<br>6<br>5 | 0<br>0<br>2<br>6<br>6 | 0<br>0<br>2<br>6<br>7 | 0<br>0<br>2<br>6<br>8 | 0<br>0<br>2<br>6<br>9 | 0<br>0<br>2<br>6<br>0 | 0<br>0<br>2<br>6<br>1 | 0<br>0<br>2<br>6<br>2 | 0<br>0<br>2<br>6<br>3 | 0<br>0<br>2<br>6<br>4 | 0<br>0<br>2<br>6<br>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 3 1 3 3 + + + + + + + + + + + +

Salivary Glands  
 Infiltration Cellular, Lymphocyte

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

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  
 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  
 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<br>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 | 0 | ANIMAL ID | females<br>(cont...) |
|-------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|
|                               | 0           | 7 | 7 | 7 | 0 | 7 | 7 | 7 | 7 | 2 | 5 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 3 | 7 | 7 | 6 | 7 | 1 | 7 |   |           |                      |
|                               | 3           | 1 | 3 | 3 | 9 | 3 | 3 | 3 | 3 | 9 | 6 | 3 | 3 | 3 | 3 | 9 | 6 | 3 | 2 | 3 | 3 | 2 | 3 | 4 | 3 | 0 |           |                      |
|                               | 3           | 5 | 3 | 5 | 3 | 2 | 2 | 2 | 2 | 6 | 4 | 3 | 3 | 3 | 3 | 1 | 9 | 3 | 0 | 3 | 2 | 8 | 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 |           |                      |
|                               | 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 |           |                      |
|                               | 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 | 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 | 0 |           |                      |

**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  
 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<br>(cont...)       |                            |                            |                            |
|--------------------|-----------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
|                    | 0<br>7<br>3<br>3      | 0<br>7<br>1<br>5           | 0<br>7<br>3<br>3           | 0<br>0<br>9<br>5           | 0<br>7<br>3<br>3           | 0<br>7<br>3<br>2           | 0<br>7<br>3<br>2           | 0<br>7<br>3<br>2           | 0<br>2<br>9<br>6           | 0<br>5<br>6<br>4           | 0<br>7<br>3<br>3           | 0<br>7<br>3<br>3           | 0<br>7<br>3<br>3           | 0<br>7<br>3<br>3           | 0<br>6<br>9<br>1           | 0<br>6<br>6<br>9           | 0<br>7<br>3<br>2           | 0<br>3<br>7<br>3           | 0<br>7<br>3<br>2           | 0<br>6<br>2<br>8           |                            |                            | 0<br>7<br>3<br>2           | 0<br>1<br>4<br>2           | 0<br>7<br>3<br>2           |
| 0 MG/KG            | 0<br>0<br>2<br>5<br>1 | 0<br>0<br>0<br>2<br>5<br>2 | 0<br>0<br>0<br>2<br>5<br>3 | 0<br>0<br>0<br>2<br>5<br>4 | 0<br>0<br>0<br>2<br>5<br>5 | 0<br>0<br>0<br>2<br>5<br>6 | 0<br>0<br>0<br>2<br>5<br>7 | 0<br>0<br>0<br>2<br>5<br>8 | 0<br>0<br>0<br>2<br>5<br>9 | 0<br>0<br>0<br>2<br>6<br>0 | 0<br>0<br>0<br>2<br>6<br>1 | 0<br>0<br>0<br>2<br>6<br>2 | 0<br>0<br>0<br>2<br>6<br>3 | 0<br>0<br>0<br>2<br>6<br>4 | 0<br>0<br>0<br>2<br>6<br>5 | 0<br>0<br>0<br>2<br>6<br>6 | 0<br>0<br>0<br>2<br>6<br>7 | 0<br>0<br>0<br>2<br>6<br>8 | 0<br>0<br>0<br>2<br>6<br>9 | 0<br>0<br>0<br>2<br>6<br>0 | 0<br>0<br>0<br>2<br>6<br>1 | 0<br>0<br>0<br>2<br>6<br>2 | 0<br>0<br>0<br>2<br>6<br>3 | 0<br>0<br>0<br>2<br>6<br>4 | 0<br>0<br>0<br>2<br>6<br>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 |

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 1) Minimal 3) Moderate  
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| B6C3F1 MICE FEMALE | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | females<br>(cont...)  |
|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                    | 0<br>7<br>3<br>3      | 0<br>7<br>1<br>5      | 0<br>7<br>3<br>3      | 0<br>7<br>9<br>5      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>2<br>9<br>6      | 0<br>5<br>6<br>4      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      | 0<br>6<br>9<br>1      | 0<br>6<br>6<br>9      | 0<br>7<br>3<br>0      | 0<br>7<br>3<br>2      | 0<br>6<br>2<br>8      | 0<br>7<br>3<br>2      | 0<br>1<br>4<br>2      | 0<br>7<br>3<br>2      |                       |                       |
| 0 MG/KG            | ANIMAL ID             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
|                    | 0<br>0<br>2<br>5<br>1 | 0<br>0<br>2<br>5<br>2 | 0<br>0<br>2<br>5<br>3 | 0<br>0<br>2<br>5<br>4 | 0<br>0<br>2<br>5<br>5 | 0<br>0<br>2<br>5<br>6 | 0<br>0<br>2<br>5<br>7 | 0<br>0<br>2<br>5<br>8 | 0<br>0<br>2<br>5<br>9 | 0<br>0<br>2<br>6<br>0 | 0<br>0<br>2<br>6<br>1 | 0<br>0<br>2<br>6<br>2 | 0<br>0<br>2<br>6<br>3 | 0<br>0<br>2<br>6<br>4 | 0<br>0<br>2<br>6<br>5 | 0<br>0<br>2<br>6<br>6 | 0<br>0<br>2<br>6<br>7 | 0<br>0<br>2<br>6<br>8 | 0<br>0<br>2<br>6<br>9 | 0<br>0<br>2<br>6<br>0 | 0<br>0<br>2<br>6<br>1 | 0<br>0<br>2<br>6<br>2 | 0<br>0<br>2<br>6<br>3 | 0<br>0<br>2<br>6<br>4 | 0<br>0<br>2<br>6<br>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 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  
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 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
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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<br>0 MG/KG     | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID | females<br>(cont...) |   |
|-----------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|---|
|                                   | 0<br>7<br>3<br>3 | 0<br>7<br>1<br>5 | 0<br>7<br>3<br>3 | 0<br>7<br>9<br>5 | 0<br>7<br>3<br>2 | 0<br>7<br>3<br>2 | 0<br>7<br>3<br>2 | 0<br>7<br>3<br>2 | 0<br>7<br>3<br>2 | 0<br>2<br>9<br>6 | 0<br>5<br>6<br>4 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>6<br>9<br>1 | 0<br>6<br>6<br>9 | 0<br>7<br>3<br>2 | 0<br>3<br>7<br>3 | 0<br>7<br>3<br>2 | 0<br>6<br>2<br>8 | 0<br>7<br>3<br>2 | 0<br>1<br>4<br>2 | 0<br>7<br>3<br>4 | 0<br>7<br>3<br>5 |           |                      |   |
| Bone                              | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | + |
| Fibrosis                          | 2                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |   |
| Fracture                          |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |   |
| Femur, Hyperostosis               |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |   |
| Skeletal Muscle                   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |   |
| <b>NERVOUS SYSTEM</b>             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |   |
| Brain                             | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | + |
| Compression                       |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |   |
| Cyst Epithelial Inclusion         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |   |
| Necrosis                          |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |   |
| <b>RESPIRATORY SYSTEM</b>         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |   |
| Lung                              | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | + |
| Hemorrhage                        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |   |
| Infiltration Cellular, Lymphocyte |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |   |
| Inflammation, Chronic             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |   |
| Thrombosis                        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |   |
| Alveolar Epithelium, Hyperplasia  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |   |
| Nose                              | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | + |
| Foreign Body                      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |   |
| Inflammation, Chronic             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |   |
| Trachea                           | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | + |

**SPECIAL SENSES SYSTEM**

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 + .. Tissue examined microscopically  
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 M .. Missing tissue  
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 BLANK .. Not examined microscopically  
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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  
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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<br>(cont...) |  |
|--------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|--|
|                    | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |           |                      |  |
| 0 MG/KG            | 7           | 7 | 7 | 0 | 7 | 7 | 7 | 7 | 2 | 5 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 3 | 7 | 7 | 6 | 7 | 1 | 7 | 0         |                      |  |
|                    | 3           | 1 | 3 | 9 | 3 | 3 | 3 | 3 | 9 | 6 | 3 | 3 | 3 | 3 | 9 | 6 | 3 | 2 | 3 | 3 | 2 | 3 | 4 | 3 | 0         |                      |  |
|                    | 3           | 5 | 3 | 5 | 3 | 2 | 2 | 2 | 6 | 4 | 3 | 3 | 3 | 3 | 1 | 9 | 3 | 0 | 3 | 2 | 8 | 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         |                      |  |
|                    | 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         |                      |  |
|                    | 5           | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 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         | 0                    |  |

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

**URINARY SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney Cyst  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Kidney Infarct                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Kidney Infiltration Cellular, Lymphocyte           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Kidney Inflammation, Chronic                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Kidney Metaplasia, Osseous                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Kidney Nephropathy                                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Kidney Renal Tubule, Accumulation, Hyaline Droplet |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Kidney 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 | * TOTALS |
|--------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
|                    |             | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |          |
| 0 MG/KG            | ANIMAL ID   | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |          |
|                    |             | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 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 |          |
|                    |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50       |

**ALIMENTARY SYSTEM**

|                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           |              |              |  |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------|--------------|--------------|--|
| Esophagus                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |           |              |              |  |
| Gallbladder                        | + | + | + | + | + | + | + | + | + | + | + | I | + | + | A | + | + | + | + | + | + | A | A | A | +         | <b>43</b> |              |              |  |
| Inflammation, Acute                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1         |           | <b>1 1.0</b> |              |  |
| Epithelium, Cytoplasmic Alteration |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2         |           | <b>1 2.0</b> |              |  |
| Intestine Large, Cecum             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | +         | <b>48</b> |              |              |  |
| Intestine Large, Colon             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         | <b>49</b> |              |              |  |
| Intestine Large, Rectum            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | + | + | + | + | + | + | + | +         | <b>49</b> |              |              |  |
| Intestine Small, Duodenum          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | +         | <b>46</b> |              |              |  |
| Intestine Small, Ileum             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | +         | <b>48</b> |              |              |  |
| Intestine Small, Jejunum           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A         | +         | <b>47</b>    |              |  |
| Hyperplasia, Lymphoid              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | 1         |              | <b>1 3.0</b> |  |
| Epithelium, Hyperplasia            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | 1         |              | <b>1 3.0</b> |  |
| Liver                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         | <b>50</b> |              |              |  |
| Angiectasis                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3         |           | <b>1 3.0</b> |              |  |
| Basophilic Focus                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           |              | <b>1</b>     |  |
| Clear Cell Focus                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |           |           |              | <b>3</b>     |  |
| Cyst                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           |              | <b>1 3.0</b> |  |
| Eosinophilic Focus                 |   |   |   |   |   |   |   |   | X |   |   |   |   | X |   |   |   |   |   |   |   |   | X |   |           |           | <b>3</b>     |              |  |
| Hematopoietic Cell Proliferation   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           | <b>3 2.7</b> |              |  |
| Infiltration Cellular, Lymphocyte  |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |           |           | <b>2 2.5</b> |              |  |
| Inflammation, Chronic Active       |   |   |   |   |   |   | 2 |   |   |   | 1 |   |   |   |   |   |   | 1 |   |   |   |   |   | 1 |           |           | <b>4 1.3</b> |              |  |

\* .. 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

1-4 .. Lesion qualified as:

I .. Insufficient tissue

BLANK .. Not examined microscopically

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

| B6C3F1 MICE FEMALE<br>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 |          |
| Mixed Cell Focus                      |             |      |      |      |      |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
| Necrosis, Focal                       |             |      |      |      |      |      |      |      |      | 1    |      |      |      |      |      |      |      |      |      |      |      |      | 4    |      |          |
| Tension Lipidosis                     |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
| Hepatocyte, Vacuolization Cytoplasmic |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2    |      |      |      |      |      | 3    | 2    |      |          |
| Kupffer Cell, Hyperplasia             |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 3    |      |      |          |
| Mesentery                             |             |      |      |      |      |      |      |      |      | +    |      |      | +    |      |      |      | +    |      | +    |      | +    |      | +    |      |          |
| Necrosis                              |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
| Fat, Necrosis                         |             |      |      |      |      |      |      |      |      | 2    |      |      | 4    |      |      |      | 4    |      | 3    |      | 2    |      |      |      |          |
| Pancreas                              |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
| Atrophy                               |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
| Basophilic Focus                      |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
| Cyst                                  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
| Infiltration Cellular, Lymphocyte     |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
| Acinus, Cytoplasmic Alteration        |             |      |      |      |      |      |      |      |      |      |      |      |      |      | 3    |      |      |      |      |      |      |      |      |      |          |
| Salivary Glands                       |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
| Infiltration Cellular, Lymphocyte     |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
| Stomach, Forestomach                  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
| Stomach, Glandular                    |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
| Cyst                                  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
| Epithelium, Hyperplasia               |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
| <b>CARDIOVASCULAR SYSTEM</b>          |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
| Heart                                 |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
| Mineralization                        |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |

\* .. 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            | 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            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 7 3.0  |    |
| Degeneration, Fatty                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 3.0  |    |
| Hyperplasia, Focal                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 2.0  |    |
| Capsule, Hyperplasia                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0  |    |
| Adrenal Medulla                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |    |
| Hyperplasia                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 1.0  |    |
| Islets, Pancreatic                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48     |    |
| Hyperplasia                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 1.0  |    |
| Parathyroid Gland                            | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | M | + | +      | 45 |
| Cyst   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 3.0  |    |
| Pituitary Gland                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49     |    |
| Pars Distalis, Cyst                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 3.0  |    |
| Pars Distalis, Cytoplasmic Alteration, Focal |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0  |    |
| Pars Distalis, Hyperplasia, Focal            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 9 1.7  |    |
| Thyroid Gland                                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |    |
| Follicle, Cyst                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 3.0  |    |
| Follicle, Degeneration, Focal                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 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

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<br>0 MG/KG | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |             | * TOTALS |
|-------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------|----------|
|                               | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>5<br>0<br>0 | 0<br>2<br>4<br>6 | 0<br>7<br>3<br>3 |                  |             |          |
| ANIMAL ID                     | 0<br>0<br>7<br>6 | 0<br>0<br>7<br>7 | 0<br>0<br>7<br>8 | 0<br>0<br>7<br>9 | 0<br>0<br>8<br>0 | 0<br>0<br>8<br>1 | 0<br>0<br>8<br>2 | 0<br>0<br>8<br>3 | 0<br>0<br>8<br>4 | 0<br>0<br>8<br>5 | 0<br>0<br>8<br>6 | 0<br>0<br>8<br>7 | 0<br>0<br>8<br>8 | 0<br>0<br>8<br>9 | 0<br>0<br>9<br>0 | 0<br>0<br>9<br>1 | 0<br>0<br>9<br>2 | 0<br>0<br>9<br>3 | 0<br>0<br>9<br>4 | 0<br>0<br>9<br>5 | 0<br>0<br>9<br>6 | 0<br>0<br>9<br>7 | 0<br>0<br>9<br>8 | 0<br>0<br>9<br>9 |             |          |
|                               | 2<br>7<br>6      | 2<br>7<br>7      | 2<br>7<br>8      | 2<br>7<br>9      | 2<br>8<br>0      | 2<br>8<br>1      | 2<br>8<br>2      | 2<br>8<br>3      | 2<br>8<br>4      | 2<br>8<br>5      | 2<br>8<br>6      | 2<br>8<br>7      | 2<br>8<br>8      | 2<br>8<br>9      | 2<br>9<br>0      | 2<br>9<br>1      | 2<br>9<br>2      | 2<br>9<br>3      | 2<br>9<br>4      | 2<br>9<br>5      | 2<br>9<br>6      | 2<br>9<br>7      | 2<br>9<br>8      | 2<br>9<br>9      | 3<br>0<br>0 |          |

**GENITAL SYSTEM**

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

**HEMATOPOIETIC SYSTEM**

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

\* .. 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<br>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           | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | I    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | M    | +    |          |
| Ectasia                          |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 4    |      |      |          |
| Hemorrhage                       |             |      |      |      |      |      |      |      |      | 3    |      |      |      |      |      |      |      |      |      |      |      | 2    |      |      |          |
| 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    |      |          |
| <b>INTEGUMENTARY SYSTEM</b>      |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
| Mammary Gland                    | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |          |
| Hyperplasia                      |             |      |      |      |      | 1    |      |      |      | 1    |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |          |
| Skin                             | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |          |
| Ulcer                            |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
| <b>MUSCULOSKELETAL SYSTEM</b>    |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |

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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  |
| 0 MG/KG                           | ANIMAL ID   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |       |
|                                   | 0076        | 0077 | 0078 | 0079 | 0080 | 0081 | 0082 | 0083 | 0084 | 0085 | 0086 | 0087 | 0088 | 0089 | 0090 | 0091 | 0092 | 0093 | 0094 | 0095 | 0096 | 0097 |          | 0098  |
| Bone                              | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 50    |
| Fibrosis                          |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1 2.0 |
| Fracture                          |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1     |
| Femur, Hyperostosis               |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1 3.0 |
| Skeletal Muscle                   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 3     |
| <b>NERVOUS SYSTEM</b>             |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |       |
| Brain                             | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 50    |
| Compression                       |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1 4.0 |
| Cyst Epithelial Inclusion         |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1     |
| Necrosis                          |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1 2.0 |
| <b>RESPIRATORY SYSTEM</b>         |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |       |
| 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                      |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | X        | 1     |
| Inflammation, Chronic             |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 2 1.0 |
| Trachea                           | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 50    |
| <b>SPECIAL SENSES SYSTEM</b>      |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |       |

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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 FEMALE<br>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 | 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 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 8        | 4 | 3       |     |     |
|   |             | 3         | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 0        | 6 | 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       |     |     |
| Eye<br>Inflammation, Chronic                |             | +         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | + | 50<br>1 | 1.0 |     |
| Harderian Gland<br>Hyperplasia, Focal       |             | +         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | + | 50<br>1 | 1.0 |     |
| <b>URINARY SYSTEM</b>                       |             |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |         |     |     |
| 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 |   |   |   | 1 |   |   |   |          |   | 4       | 11  | 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  
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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 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | females<br>(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 |
| 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 | 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 | 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 |
|                    |             | 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 |
|                    |             | 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 |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4 | 4 |
| Ulcer                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 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 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Inflammation, Chronic Active      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mixed Cell Focus                  |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X | X |
| Necrosis, Focal                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4 |
| Necrosis, Diffuse                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Tension Lipidosis                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

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

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 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 alpha/beta Thujone mixture  
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|                           |                |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |                      |
|---------------------------|----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------------------|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST    | 0<br>7 | 0<br>7 | 0<br>6 | 0<br>7 | 0<br>7 | 0<br>7 | 0<br>7 | 0<br>5 | 0<br>0 | 0<br>7 | 0<br>7 | 0<br>7 | 0<br>7 | 0<br>7 | 0<br>0 | 0<br>7 | 0<br>7 | 0<br>7 | 0<br>6 | 0<br>7 | 0<br>0 | 0<br>0 | 0<br>7 | 0<br>7 | females<br>(cont...) |
|                           |                | 3<br>2 | 3<br>2 | 7<br>7 | 3<br>2 | 3<br>3 | 3<br>3 | 3<br>3 | 5<br>4 | 0<br>4 | 3<br>2 | 3<br>2 | 3<br>2 | 3<br>2 | 3<br>2 | 0<br>3 | 0<br>4 | 0<br>2 | 0<br>2 | 3<br>4 | 3<br>3 | 0<br>3 | 0<br>5 | 3<br>3 | 1<br>9 |                      |
|                           | <b>3 MG/KG</b> | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 |                      |
|                           | ANIMAL ID      | 3<br>0 | 3<br>0 | 3<br>0 | 3<br>0 | 3<br>0 | 3<br>0 | 3<br>0 | 3<br>1 | 3<br>0 | 3<br>1 | 3<br>1 | 3<br>1 | 3<br>1 | 3<br>1 | 3<br>1 | 3<br>1 | 3<br>1 | 3<br>2 | 3<br>2 | 3<br>2 | 3<br>2 | 3<br>2 | 3<br>2 |        |                      |

Hyperplasia, Focal  
 Capsule, Hyperplasia

2

Adrenal Medulla  
 Hyperplasia

+  
1

+ | + +

Islets, Pancreatic  
 Cyst

+ +

Parathyroid Gland

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

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

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

Thyroid Gland  
 Artery, Inflammation, Chronic Active  
 Follicle, Cyst  
 Follicle, Degeneration, Focal

+ +

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Clitoral Gland

+ | + + + + +

Ovary  
 Angiectasis  
 Cyst

+ + + + + + + + + + M + + + + + + + + + + + + | + +

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

|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hemorrhage                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   | 1 |   |
| Inflammation, Granulomatous      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mineralization                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Granulosa Cell, Hyperplasia      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Uterus                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Angiectasis                      |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Inflammation, Acute              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Thrombosis                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Endometrium, Hyperplasia, Cystic | 1 | 2 | 3 | 4 |   |   |   |   | 2 | 2 | 4 | 1 | 4 |   |   | 3 | 3 | 1 |   |   |   |   |   | 1 |   |
| Myometrium, Hypertrophy          |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

HEMATOPOIETIC SYSTEM

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Angiectasis               |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hyperplasia               | 3 |   |   | 2 |   | 2 |   | 2 |   |   |   |   |   |   |   |   |   |   |   | 3 | 3 |   |   |   |   | 4 |
| Myelofibrosis             |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymph Node                |   |   |   |   |   |   |   | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |
| Bronchial, Atrophy        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4 |   |
| Bronchial, Pigmentation   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |
| Mediastinal, Atrophy      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4 |   |
| Mediastinal, Pigmentation |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |
| Lymph Node, Mandibular    | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | M | + | + | + | + | + | + |
| Hyperplasia, Lymphoid     | 2 | 3 | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Pigmentation              |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |
| Lymph Node, Mesenteric    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

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



|                           |                |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                              |   |   |   |
|---------------------------|----------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------------|---|---|---|
| <b>B6C3F1 MICE FEMALE</b> | <b>3 MG/KG</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <b>females<br/>(cont...)</b> |   |   |   |
|                           |                |             | 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 | 3 | 0 |                              | 0 | 3 | 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 | 9 |
| <b>ANIMAL ID</b>          | 0              | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                              | 0 |   |   |
|                           | 0              | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 |   |   |
|                           | 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 |   |   |
|                           | 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 |                              | 6 |   |   |

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

**NERVOUS SYSTEM**

|  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Brain  | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Artery, Meninges, Inflammation, Chronic Active | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**RESPIRATORY SYSTEM**

|                                  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------------------------|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Lung                             | +           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fibrosis                         | 3           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Foreign Body                     | X X X X X X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Inflammation, Suppurative        | 3           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 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  
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

|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                              |                              |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------------|------------------------------|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <b>females<br/>(cont...)</b> |                              |
|                           |             | 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 | 7 | 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 | 3 | 3 |                              | 3                            |
|                           |             | 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                            |
| <b>3 MG/KG</b>            | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0                            | <b>females<br/>(cont...)</b> |
|                           |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0                            |                              |
|                           |             | 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 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 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                            |                              |

|                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Harderian Gland    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia, Focal |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**URINARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Kidney                                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |  |
| Cyst  | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Glomerulosclerosis                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Infarct                                     | 2 |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Infiltration Cellular, Lymphocyte           |   |   | 3 |   |   | 3 |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Metaplasia, Osseous                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Nephropathy                                 |   | 1 | 1 | 1 |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Renal Tubule, Accumulation, Hyaline Droplet |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |  |
| 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  
**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

|                           |                |                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|---------------------------|----------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| <b>B6C3F1 MICE FEMALE</b> | 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 |  |
|                           | <b>3 MG/KG</b> | 7               | 7 | 7 | 7 | 0 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 5 | 6 | 5 | 7 | 0 | 7 | 7 | 7 | 7 | 0 | 7 | 7 | 7 | 7 | 0 |  |
|                           |                | 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 | 0 | 3 | 3 | 3 | 3 | 3 |  |
|                           |                | 3               | 3 | 3 | 3 | 6 | 3 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 6 | 9 | 5 | 2 | 5 | 2 | 2 | 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 | 0 | 0 | 0 | 0 | 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 |  |
|                           |                | 2               | 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 | 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 |   |   |   |   |   |   |   |  |
|                           |                |                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|                           |                | <b>* TOTALS</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |

**ALIMENTARY SYSTEM**

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           |           |            |  |  |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------|-----------|------------|--|--|
| Esophagus                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>48</b> |           |           |            |  |  |
| Inflammation, Acute               |   |   |   |   |   | 4 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4 |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           | <b>6</b>  | <b>3.7</b> |  |  |
| Ulcer                             |   |   |   |   | 4 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           | <b>4</b>  | <b>4.0</b> |  |  |
| Gallbladder                       | + | + | + | + | A | + | I | + | + | + | + | + | + | + | + | A | + | A | + | + | + | A | + | + | + | M |   |   |   |   |   |   |   |   |   |           | <b>39</b> |           |            |  |  |
| Intestine Large, Cecum            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + |   |   |   |   |   |   |   |   |   |   |           |           | <b>46</b> |            |  |  |
| Intestine Large, Colon            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + |   |   |   |   |   |   |   |   |   |   |           |           | <b>48</b> |            |  |  |
| Intestine Large, Rectum           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |   |   |   |   |   |   |   |   |   |           |           | <b>49</b> |            |  |  |
| Intestine Small, Duodenum         | M | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + |   |   |   |   |   |   |   |   |   |   |           | <b>44</b> |           |            |  |  |
| Intestine Small, Ileum            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + |   |   |   |   |   |   |   |   |   |   |           |           | <b>47</b> |            |  |  |
| Intestine Small, Jejunum          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + |   |   |   |   |   |   |   |   |   |   |           |           | <b>47</b> |            |  |  |
| Liver                             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |   |   |   |   |   |   |   |   |   |           | <b>49</b> |           |            |  |  |
| Basophilic Focus                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           | <b>2</b>  |            |  |  |
| Clear Cell Focus                  |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           |           | <b>2</b>   |  |  |
| Eosinophilic Focus                |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           |           | <b>3</b>   |  |  |
| Hematopoietic Cell Proliferation  |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |           |           | <b>3</b>  | <b>2.3</b> |  |  |
| Infiltration Cellular, Lymphocyte |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           | <b>1</b>  | <b>3.0</b> |  |  |
| Inflammation, Chronic Active      |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           | <b>3</b>  | <b>2.3</b> |  |  |
| Mixed Cell Focus                  |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |           |           | <b>5</b>  |            |  |  |
| Necrosis, Focal                   |   | 1 |   | 1 |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           | <b>6</b>  | <b>1.7</b> |  |  |
| Necrosis, Diffuse                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           | <b>1</b>  | <b>2.0</b> |  |  |
| Tension Lipidosis                 |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           | <b>1</b>  |            |  |  |

\* .. 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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 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
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 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<br>3 MG/KG         | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |       |       |       |
|---------------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|
|                                       | 0733        | 0733  | 0733  | 0733  | 0736  | 0733  | 0752  | 0773  | 0773  | 0773  | 0773  | 0773  | 0773  | 0773  | 0773  | 0773  | 0773  | 0773  | 0773  | 0773  |          | 0773  |       |       |
| 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 |
| Centrilobular, Necrosis               |             |       |       |       |       | 1     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
| Hepatocyte, Vacuolization             |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
| Cytoplasmic Kupffer Cell, Hyperplasia |             |       |       |       |       | 2     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
| Mesentery                             |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
| Fat, Necrosis                         |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
| Pancreas                              |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
| Atrophy                               |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
| Basophilic Focus                      |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
| Salivary Glands                       |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
| Infiltration Cellular, Lymphocyte     |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
| Stomach, Forestomach                  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
| Diverticulum                          |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
| Stomach, Glandular                    |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
| Cyst                                  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
| <b>CARDIOVASCULAR SYSTEM</b>          |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
| Heart                                 |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
| Cardiomyopathy                        |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
| Inflammation, Acute                   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
| Mineralization                        |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
| <b>ENDOCRINE SYSTEM</b>               |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
| Adrenal Cortex                        |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
| Accessory Adrenal Cortical Nodule     |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |

\* .. 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

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Table with columns for DAY ON TEST (0-31) and ANIMAL ID (0-31). Rows include lesion types such as Hyperplasia, Focal Capsule, Adrenal Medulla Hyperplasia, Islets, Pancreatic Cyst, Parathyroid Gland, Pituitary Gland, and Thyroid Gland. Includes counts and mean severity grades.

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Table with columns for lesion types under Genital System (Clitoral Gland, Ovary, Angiectasis, Cyst). Includes counts and mean severity grades.

\* .. 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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| B6C3F1 MICE FEMALE<br>3 MG/KG    | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |       |       |       |        |  |
|----------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|--------|--|
|                                  | 0733        | 0733  | 0733  | 0733  | 0706  | 0733  | 0754  | 0773  | 0773  | 0773  | 0773  | 0773  | 0773  | 0773  | 0773  | 0767  | 0773  | 0756  | 0766  | 0758  |          | 0730  | 0773  | 0773  | 0773   |  |
| 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  |  |
| <b>HEMATOPOIETIC SYSTEM</b>      |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |        |  |
| 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

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| B6C3F1 MICE FEMALE                                | 3 MG/KG | DAY ON TEST                                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |          |   |     |     |    |     |
|---|---------|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|---|-----|-----|----|-----|
|   |         | 0<br>7<br>3<br>3                                | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      | 0<br>0<br>3<br>6      | 0<br>7<br>3<br>4      | 0<br>5<br>2<br>3      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>6<br>7<br>7      | 0<br>7<br>3<br>2      | 0<br>5<br>6<br>6      | 0<br>6<br>8<br>9      | 0<br>5<br>3<br>2      | 0<br>7<br>0<br>5      | 0<br>7<br>3<br>2      |                       |                       | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      |          |   |     |     |    |     |
| ANIMAL ID   |         | 0<br>0<br>3<br>2<br>7                           | 0<br>0<br>3<br>2<br>8 | 0<br>0<br>3<br>2<br>9 | 0<br>0<br>3<br>3<br>0 | 0<br>0<br>3<br>3<br>1 | 0<br>0<br>3<br>3<br>2 | 0<br>0<br>3<br>3<br>3 | 0<br>0<br>3<br>3<br>4 | 0<br>0<br>3<br>3<br>5 | 0<br>0<br>3<br>3<br>6 | 0<br>0<br>3<br>3<br>7 | 0<br>0<br>3<br>3<br>8 | 0<br>0<br>3<br>3<br>9 | 0<br>0<br>3<br>4<br>0 | 0<br>0<br>3<br>4<br>1 | 0<br>0<br>3<br>4<br>2 | 0<br>0<br>3<br>4<br>3 | 0<br>0<br>3<br>4<br>4 | 0<br>0<br>3<br>4<br>5 | 0<br>0<br>3<br>4<br>6 | 0<br>0<br>3<br>4<br>7 | 0<br>0<br>3<br>4<br>8 | 0<br>0<br>3<br>4<br>9 | 0<br>0<br>3<br>5<br>0 | * TOTALS |   |     |     |    |     |
| 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                     |                       |                       |                       |                       | 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      |   |     |     |    |     |
| <b>INTEGUMENTARY SYSTEM</b>                       |         |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |          |   |     |     |    |     |
| 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                   |                       |                       |                       |                       |          |   |     |     |    |     |
| <b>MUSCULOSKELETAL SYSTEM</b>                     |         |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |          |   |     |     |    |     |
| 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  
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 1) Minimal 3) Moderate  
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| 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 |
|--------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|---|
|                    |             | 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 | 0 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 6 | 6 | 8 | 3 | 0 | 3 | 3               | 3 |   |
| 3 MG/KG            |             | 3 | 3 | 3 | 3 | 6 | 3 | 4 | 3 | 3 | 2 | 2 | 2 | 2 | 7 | 2 | 6 | 9 | 5 | 2 | 5 | 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 | 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 |   |
|                    |             | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 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 |   |
|                    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>* TOTALS</b> |   |   |

Skeletal Muscle

**2**

**NERVOUS SYSTEM**

Brain

Artery, Meninges, Inflammation, Chronic Active

+ +

**49**

**1 2.0**

**RESPIRATORY SYSTEM**

Lung

Fibrosis

Foreign Body

Inflammation, Suppurative

Inflammation, Granulomatous

Inflammation, Acute

Inflammation, Chronic Active

Alveolar Epithelium, Hyperplasia

+ +

**49**

**1 3.0**

**8**

**1 4.0**

**1 3.0**

**4 3.5**

**2 3.5**

**1 1.0**

Nose

Foreign Body

Inflammation, Chronic

+ +

**49**

**4**

**4 1.0**

Trachea

+ +

**49**

**SPECIAL SENSES SYSTEM**

Eye

Atrophy

Inflammation, Chronic

Cornea, Hyperplasia

+ +

**49**

**1 4.0**

**2 2.0**

**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  
 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<br>3 MG/KG               | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |                       |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|   | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      | 0<br>0<br>3<br>6      | 0<br>7<br>3<br>4      | 0<br>5<br>2<br>3      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>6<br>7<br>7      | 0<br>7<br>3<br>2      | 0<br>5<br>6<br>6      | 0<br>6<br>8<br>9      | 0<br>5<br>3<br>2      | 0<br>7<br>0<br>5      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      |                       |                       |
| ANIMAL ID                                   | 0<br>0<br>3<br>2<br>7 | 0<br>0<br>3<br>2<br>8 | 0<br>0<br>3<br>2<br>9 | 0<br>0<br>3<br>3<br>0 | 0<br>0<br>3<br>3<br>1 | 0<br>0<br>3<br>3<br>2 | 0<br>0<br>3<br>3<br>3 | 0<br>0<br>3<br>3<br>4 | 0<br>0<br>3<br>3<br>5 | 0<br>0<br>3<br>3<br>6 | 0<br>0<br>3<br>3<br>7 | 0<br>0<br>3<br>3<br>8 | 0<br>0<br>3<br>3<br>9 | 0<br>0<br>3<br>4<br>0 | 0<br>0<br>3<br>4<br>1 | 0<br>0<br>3<br>4<br>2 | 0<br>0<br>3<br>4<br>3 | 0<br>0<br>3<br>4<br>4 | 0<br>0<br>3<br>4<br>5 | 0<br>0<br>3<br>4<br>6 | 0<br>0<br>3<br>4<br>7 | 0<br>0<br>3<br>4<br>8 | 0<br>0<br>3<br>4<br>9 | 0<br>0<br>3<br>5<br>0 |
| Harderian Gland<br>Hyperplasia, Focal       | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 49<br>1 3.0           |
| <b>URINARY SYSTEM</b>                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Kidney                                      | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 49                    |                       |
| Cyst  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 3 3.0                 |                       |
| Glomerulosclerosis                          |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1 3.0                 |                       |
| Infarct                                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 5 2.4                 |                       |
| Infiltration Cellular, Lymphocyte           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 9 2.6                 |                       |
| Metaplasia, Osseous                         |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1 2.0                 |                       |
| Nephropathy                                 | 1                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 11 1.3                |                       |
| Renal Tubule, Accumulation, Hyaline Droplet |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2 3.0                 |                       |
| Urinary Bladder                             | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 49                    |                       |
| Infiltration Cellular, Lymphocyte           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 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  
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 1) Minimal 3) Moderate  
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| B6C3F1 MICE FEMALE<br>6 MG/KG | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | ANIMAL ID | females<br>(cont...) |
|-------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|
|                               | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |           |                      |
|                               | 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 | 9 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |           |                      |
|                               | 2           | 2 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | 6 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 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 |           |                      |
|                               | 3           | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |           |                      |
|                               | 5           | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 |   |           |                      |
|                               | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |           |                      |

**ALIMENTARY SYSTEM**

|                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus<br>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 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

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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

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 Lab: SRI

| B6C3F1 MICE FEMALE<br><br>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<br>(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 |   |           |                      |
|                                   |             | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | 6 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 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 |   |           |                      |
|                                   |             | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |   |           |                      |
|                                   |             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 |   |           |                      |
|                                   |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |   |           |                      |
| Kupffer Cell, Hyperplasia         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |
| Mesentery                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |
| Fat, Necrosis                     |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |
| Pancreas                          |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |
| Atrophy                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |
| Basophilic Focus                  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |
| Cyst                              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |
| Infiltration Cellular, Lymphocyte |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |
| Acinus, Cytoplasmic Alteration    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |
| Salivary Glands                   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |
| Infiltration Cellular, Lymphocyte |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |
| Stomach, Forestomach              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |
| Diverticulum                      |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |
| Inflammation, Chronic             |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |
| Epithelium, Hyperplasia           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |
| Stomach, Glandular                |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |
| Cyst                              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |

**CARDIOVASCULAR SYSTEM**

|                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Heart          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Mineralization |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**ENDOCRINE SYSTEM**

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

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

Accessory Adrenal Cortical Nodule  
Hyperplasia, Focal  
Hypertrophy, Focal

3 3 3

Adrenal Medulla

+ +

Islets, Pancreatic  
Hyperplasia

+ +

Parathyroid Gland  
Cyst  
Hyperplasia

+ M +

Pituitary Gland  
Pars Distalis, Hyperplasia, Focal

+ + + + + + + + + + + + + + I + + + + + + + + + + + +

Thyroid Gland  
Follicle, Degeneration, Focal

+ +

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Clitoral Gland

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

Ovary  
Angiectasis  
Cyst  
Hemorrhage

+ +

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+ .. Tissue examined microscopically  
X .. Lesion present  
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| B6C3F1 MICE FEMALE<br>6 MG/KG    | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | females<br>(cont...)  |                       |                       |                       |                       |  |
|----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--|
|                                  | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>4<br>8<br>3      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>2      | 0<br>6<br>8<br>2      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>2      | 0<br>6<br>3<br>6      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>1      | 0<br>6<br>3<br>1      | 0<br>7<br>3<br>1      | 0<br>7<br>3<br>1      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      |                       | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      |                       |                       |  |
| ANIMAL ID                        | 0<br>0<br>3<br>5<br>1 | 0<br>0<br>3<br>5<br>2 | 0<br>0<br>3<br>5<br>3 | 0<br>0<br>3<br>5<br>4 | 0<br>0<br>3<br>5<br>5 | 0<br>0<br>3<br>5<br>6 | 0<br>0<br>3<br>5<br>7 | 0<br>0<br>3<br>5<br>8 | 0<br>0<br>3<br>5<br>9 | 0<br>0<br>3<br>5<br>0 | 0<br>0<br>3<br>6<br>1 | 0<br>0<br>3<br>6<br>2 | 0<br>0<br>3<br>6<br>3 | 0<br>0<br>3<br>6<br>4 | 0<br>0<br>3<br>6<br>5 | 0<br>0<br>3<br>6<br>6 | 0<br>0<br>3<br>6<br>7 | 0<br>0<br>3<br>6<br>8 | 0<br>0<br>3<br>6<br>9 | 0<br>0<br>3<br>7<br>0 | 0<br>0<br>3<br>7<br>1 | 0<br>0<br>3<br>7<br>2 | 0<br>0<br>3<br>7<br>3 | 0<br>0<br>3<br>7<br>4 | 0<br>0<br>3<br>7<br>5 |  |
| 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                     |                       |  |
| <b>HEMATOPOIETIC SYSTEM</b>      |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |
| Bone Marrow                      |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |
| Hyperplasia                      |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |
| Lymph Node                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |
| Lymph Node, Mandibular           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |
| Hematopoietic Cell Proliferation |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |
| Hyperplasia, Lymphoid            | 3                     | 3                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     |                       |                       |  |
| Pigmentation                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |
| Lymph Node, Mesenteric           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |
| Atrophy                          |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |
| Hematopoietic Cell Proliferation |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     |                       |  |
| Hemorrhage                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |
| Hyperplasia, Lymphoid            |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 3                     |                       |  |
| Spleen                           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |
| Hematopoietic Cell Proliferation | 1                     |                       | 2                     | 4                     | 3                     | 4                     | 3                     | 2                     | 3                     |                       |                       | 1                     | 3                     | 2                     | 1                     |                       |                       |                       |                       | 3                     | 2                     | 2                     | 2                     |                       |                       |  |
| Lymphoid Follicle, Hyperplasia   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |
| 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







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<br>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 | 07 | 07  |          |
|                                   | 9           | 3  | 5  | 3  | 3  | 3  | 3  | 2  | 3  | 3  | 3  | 0  | 3  | 3  | 3  | 3  | 1  | 3  | 3  | 3  | 3  | 3  | 3  | 3   |          |
|                                   | 8           | 2  | 2  | 2  | 2  | 2  | 2  | 8  | 4  | 2  | 3  | 3  | 9  | 2  | 3  | 3  | 7  | 3  | 3  | 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  | 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   |          |
|                                   | 7           | 7  | 7  | 7  | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 9  | 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   |          |
| Kupffer Cell, Hyperplasia         |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3   | 1 3.0    |
| Mesentery                         |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | + + | 5        |
| Fat, Necrosis                     |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3   | 3 3.0    |
| Pancreas                          | +           | +  | A  | +  | +  | +  | +  | +  | A  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +   | 48       |
| Atrophy                           |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 4   | 2 4.0    |
| Basophilic Focus                  |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     | 1        |
| Cyst                              |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3   | 2 3.0    |
| Infiltration Cellular, Lymphocyte |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     | 2        |
| Acinus, Cytoplasmic Alteration    |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     | 1 2.0    |
| Salivary Glands                   | +           | +  | M  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +   | 49       |
| Infiltration Cellular, Lymphocyte |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3   | 19 2.5   |
| Stomach, Forestomach              | +           | +  | +  | +  | +  | +  | +  | +  | A  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | M  | +   | 48       |
| Diverticulum                      |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | X   | 1        |
| Inflammation, Chronic             |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     | 2        |
| Epithelium, Hyperplasia           |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     | 2        |
| Stomach, Glandular                | +           | +  | +  | +  | +  | +  | +  | +  | A  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | M  | +   | 47       |
| Cyst                              |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     | 2 3.0    |

**CARDIOVASCULAR SYSTEM**

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

**ENDOCRINE SYSTEM**

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

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<br>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 | 0772 |      |      |      |      |      |      |    |     |     |     |
| ANIMAL ID                         | 0076        | 0077 | 0078 | 0079 | 0080 | 0081 | 0082 | 0083 | 0084 | 0085 | 0086 | 0087 | 0088 | 0089 | 0090 | 0091 | 0092 | 0093 | 0094 | 0095 | 0096     | 0097 | 0098 | 0099 | 0100 | 0101 | 0102 | 0103 | 0104 | 0105 | 0106 | 0107 | 0108 | 0109 | 0110 |    |     |     |     |
| Accessory Adrenal Cortical Nodule |             |      |      |      |      |      |      | 3    |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 6  | 3.0 |     |     |
| Hyperplasia, Focal                |             | 2    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    | 1   | 2.0 |     |
| Hypertrophy, Focal                |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    | 1   | 2.0 |     |
| Adrenal Medulla                   | M           | +    | +    | +    | +    | +    | +    | +    | A    | +    | +    | +    | M    | I    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 46 |     |     |     |
| Islets, Pancreatic                | +           | +    | A    | +    | +    | +    | +    | +    | A    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +  | 48  |     |     |
| Hyperplasia                       |             |      |      |      |      |      |      | 3    |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    | 2   | 3.0 |     |
| Parathyroid Gland                 | +           | +    | +    | +    | M    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | M    | +        | +    | +    | M    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 46 |     |     |     |
| Cyst                              |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     | 1   | 3.0 |
| Hyperplasia                       |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     | 1   | 2.0 |
| Pituitary Gland                   | +           | +    | +    | +    | +    | +    | +    | +    | M    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +  | 48  |     |     |
| Pars Distalis, Hyperplasia, Focal |             |      |      |      |      | 2    |      |      |      |      |      |      |      | 1    |      |      |      |      |      |      |          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     | 7   | 1.4 |
| Thyroid Gland                     | +           | +    | +    | +    | +    | +    | +    | +    | A    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +  | 48  |     |     |
| Follicle, Degeneration, Focal     | 2           | 2    |      |      |      | 3    | 2    |      | 1    |      |      | 2    | 1    | 2    | 3    |      |      |      |      |      |          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     | 28  | 2.0 |

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

|                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |     |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|----|-----|
| Clitoral Gland | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |    |    |     |
| Ovary          | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 49 |    |     |
| Angiectasis    |   |   |   |   |   | 4 |   |   | 4 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    | 2  | 4.0 |
| Cyst           |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    | 14 | 3.0 |
| Hemorrhage     |   |   | 2 |   |   |   | 2 |   |   |   |   | 2 | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    | 13 | 2.2 |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
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1-4 .. Lesion qualified as:  
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| B6C3F1 MICE FEMALE<br>6 MG/KG    | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    | * TOTALS |     |     |   |   |   |   |   |   |   |   |   |   |   |   |    |     |
|----------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|----------|-----|-----|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
|                                  | 0698        | 0732 | 0652 | 0732 | 0772 | 0772 | 0772 | 0662 | 0662 | 0772 | 0772 | 0772 | 0662 | 0772 | 0772 | 0772 | 0662 | 0772 | 0772 | 0772 | 0662 | 0772 | 0772 |    |          |     |     |   |   |   |   |   |   |   |   |   |   |   |   |    |     |
|                                  | 0000        | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 |    |          |     |     |   |   |   |   |   |   |   |   |   |   |   |   |    |     |
| ANIMAL ID                        | 0376        | 0377 | 0378 | 0379 | 0380 | 0381 | 0382 | 0383 | 0384 | 0385 | 0386 | 0387 | 0388 | 0389 | 0390 | 0391 | 0392 | 0393 | 0394 | 0395 | 0396 | 0397 | 0398 |    |          |     |     |   |   |   |   |   |   |   |   |   |   |   |   |    |     |
| 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 |
| <b>HEMATOPOIETIC SYSTEM</b>      |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |          |     |     |   |   |   |   |   |   |   |   |   |   |   |   |    |     |
| 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    |      | 36 | 2.4      |     |     |   |   |   |   |   |   |   |   |   |   |   |   |    |     |
| Lymphoid Follicle, Hyperplasia   |             |      | 3    |      | 3    |      | 2    | 3    |      |      |      |      |      |      |      |      | 3    |      |      |      |      | 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 | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | ANIMAL ID | females<br>(cont...) |
|--------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|
|                    | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |           |                      |
|                    | 7           | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 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 | 9 | 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         |                      |
|                    | 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 | 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         |                      |

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|
| Necrosis, Diffuse<br>Tension Lipidosis<br>Hepatocyte, Vacuolization Cytoplasmic<br>Kupffer Cell, Hyperplasia |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |  |  |  |
| Mesentery<br>Fat, Necrosis   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |  |  |  |
|  | 3 |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   | 2 |  |  |  |
| Pancreas<br>Atrophy<br>Cyst<br>Infiltration Cellular, Lymphocyte   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |  |  |
|  | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |
| Salivary Glands<br>Infiltration Cellular, Lymphocyte   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |  |  |
|  | 2 |   |   |   | 3 |   |   |   | 2 |   |   |   | 3 |   |   |   | 2 |   |   |   |   |   |   |   |   |  |  |  |
| Stomach, Forestomach<br>Erosion<br>Epithelium, Hyperplasia   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |  |  |
|  | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |
| Stomach, Glandular<br>Cyst<br>Epithelium, Cytoplasmic Alteration<br>Epithelium, Hyperplasia                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |  |  |
|  | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |

**CARDIOVASCULAR SYSTEM**

|                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heart<br>Mineralization | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|                         | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**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  
 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<br>12 MG/KG    | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ANIMAL ID | females<br>(cont...) |      |      |      |      |      |      |      |      |   |  |   |  |   |  |   |  |   |  |  |  |
|-----------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|----------------------|------|------|------|------|------|------|------|------|---|--|---|--|---|--|---|--|---|--|--|--|
|                                   | 0733        | 0733 | 0733 | 0668 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0666 | 0772 | 0772 | 0772 | 0772 |           |                      | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 |   |  |   |  |   |  |   |  |   |  |  |  |
| Clitoral Gland                    | +           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                      |      |      |      |      |      |      |      |      |   |  |   |  |   |  |   |  |   |  |  |  |
| Ovary                             | +           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                      |      |      |      |      |      |      |      |      |   |  |   |  |   |  |   |  |   |  |  |  |
| Amyloid Deposition                |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 3    |           |                      |      |      |      |      |      |      |      |      |   |  |   |  |   |  |   |  |   |  |  |  |
| Angiectasis                       |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2    |           |                      |      |      |      |      |      |      |      |      |   |  |   |  |   |  |   |  |   |  |  |  |
| Cyst                              | 3           |      |      | 3    |      |      | 3    |      |      | 3    |      |      | 3    |      |      | 3    |      |      | 3    |      |           | 3                    |      |      |      |      |      |      |      |      |   |  |   |  |   |  |   |  |   |  |  |  |
| Hemorrhage                        | 2           |      | 3    |      | 2    |      | 2    |      | 3    |      | 3    |      | 2    |      | 3    |      | 3    |      | 2    |      | 3         |                      | 3    |      | 3    |      |      |      |      |      |   |  |   |  |   |  |   |  |   |  |  |  |
| Uterus                            | +           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                      |      |      |      |      |      |      |      |      |   |  |   |  |   |  |   |  |   |  |  |  |
| Amyloid Deposition                |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2    |           |                      |      |      |      |      |      |      |      |      |   |  |   |  |   |  |   |  |   |  |  |  |
| Angiectasis                       |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 4    |           |                      |      |      |      |      |      |      |      |      |   |  |   |  |   |  |   |  |   |  |  |  |
| Inflammation, Acute               | 2           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                      |      |      |      |      |      |      |      |      |   |  |   |  |   |  |   |  |   |  |  |  |
| Necrosis                          |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 3    |           |                      |      |      |      |      |      |      |      |      |   |  |   |  |   |  |   |  |   |  |  |  |
| Thrombosis                        |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 3    |           |                      |      |      |      |      |      |      |      |      |   |  |   |  |   |  |   |  |   |  |  |  |
| Endometrium, Hyperplasia, Cystic  | 4           |      | 3    |      | 4    |      | 3    |      | 2    |      | 2    |      | 3    |      | 1    |      | 1    |      | 2    |      | 4         |                      | 1    |      | 2    |      | 2    |      | 3    |      | 1 |  |   |  |   |  |   |  |   |  |  |  |
| <b>HEMATOPOIETIC SYSTEM</b>       |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                      |      |      |      |      |      |      |      |      |   |  |   |  |   |  |   |  |   |  |  |  |
| Bone Marrow                       | +           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                      |      |      |      |      |      |      |      |      |   |  |   |  |   |  |   |  |   |  |  |  |
| Hyperplasia                       | 3           |      | 2    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                      |      |      | 2    |      | 3    |      | 3    |      | 2 |  | 3 |  | 3 |  | 2 |  | 2 |  |  |  |
| Lymph Node                        | +           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                      |      |      |      |      |      |      |      |      |   |  |   |  |   |  |   |  |   |  |  |  |
| Lymph Node, Mandibular            | +           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                      |      |      |      |      |      |      |      |      |   |  |   |  |   |  |   |  |   |  |  |  |
| Hyperplasia, Lymphoid             | 2           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                      |      |      |      |      |      |      |      |      |   |  |   |  |   |  |   |  |   |  |  |  |
| Infiltration Cellular, Histiocyte |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 3    |           |                      |      |      |      |      |      |      |      |      |   |  |   |  |   |  |   |  |   |  |  |  |
| Pigmentation                      |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 3    |           |                      |      |      |      |      |      |      |      |      |   |  |   |  |   |  |   |  |   |  |  |  |
| Lymph Node, Mesenteric            | +           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                      |      |      |      |      |      |      |      |      |   |  |   |  |   |  |   |  |   |  |  |  |
| Atrophy                           |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 3         |                      |      |      |      |      |      |      |      |      |   |  |   |  |   |  |   |  |   |  |  |  |

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TDMS No. 99037 - 06  
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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  
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 Lab: SRI

| B6C3F1 MICE FEMALE<br>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       | 00442 | 00448 | 00454 | 00460 | 00466 | 00472 | 00478 | 00484 | 00490 | 00496 | 00502 | 00508 | 00514 | 00520 | 00526 | 00532 | 00538 | 00544 | 00550 | 00556 | 00562 | 00568 | 00574 |          |     |
| Necrosis, Diffuse Tension Lipidosis                             |             |       |       |       |       | 1     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1        | 1.0 |
| Hepatocyte, Vacuolization Cytoplasmic Kupffer Cell, Hyperplasia |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 3     |       |       |       |       |       | 3        | 3.5 |
| Mesentery Fat, Necrosis   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 6        | 3.2 |
| Pancreas Atrophy  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50    | 4.0      |     |
| Pancreas Cyst   |             |       |       |       |       |       |       |       |       | 3     |       |       | 3     |       |       |       |       |       |       |       |       |       |       | 3     | 3.0      |     |
| Pancreas Infiltration Cellular, Lymphocyte                      |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1     | 3.0      |     |
| Salivary Glands Infiltration Cellular, Lymphocyte               | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50    | 2.4      |     |
| Stomach, Forestomach Erosion                                    |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1     | 1.0      |     |
| Stomach, Forestomach Epithelium, Hyperplasia                    |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 3     | 3.0      |     |
| Stomach, Glandular Epithelium, Cytoplasmic Alteration           | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 48    | 3.0      |     |
| Stomach, Glandular Epithelium, Hyperplasia                      |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 2     | 2.0      |     |

**CARDIOVASCULAR SYSTEM**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |     |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Heart Mineralization | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 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

| B6C3F1 MICE FEMALE<br>12 MG/KG    | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |       |       |       |       |      |
|-----------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|-------|------|
|                                   | 0732        | 0733  | 0734  | 0735  | 0736  | 0737  | 0738  | 0739  | 0740  | 0741  | 0742  | 0743  | 0744  | 0745  | 0746  | 0747  | 0748  | 0749  | 0750  | 0751  | 0752  | 0753  | 0754  | 0755  |          | 0756  | 0757  | 0758  | 0759  | 0760 |
| ANIMAL ID                         | 00426       | 00447 | 00468 | 00489 | 00510 | 00531 | 00552 | 00573 | 00594 | 00615 | 00636 | 00657 | 00678 | 00699 | 00720 | 00741 | 00762 | 00783 | 00804 | 00825 | 00846 | 00867 | 00888 | 00909 | 00930    | 00951 | 00972 | 00993 | 01014 |      |
| 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                 | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | +     | 47    |      |
| Pituitary Gland                   | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | +     | 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



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<br>12 MG/KG    | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |                       |                       |                       |       |
|-----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-------|
|                                   | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      |                       | 0<br>7<br>3<br>2      |                       |                       |       |
| ANIMAL ID                         | 0<br>0<br>4<br>2<br>6 | 0<br>0<br>4<br>2<br>7 | 0<br>0<br>4<br>2<br>8 | 0<br>0<br>4<br>2<br>9 | 0<br>0<br>4<br>3<br>0 | 0<br>0<br>4<br>3<br>1 | 0<br>0<br>4<br>3<br>2 | 0<br>0<br>4<br>3<br>3 | 0<br>0<br>4<br>3<br>4 | 0<br>0<br>4<br>3<br>5 | 0<br>0<br>4<br>3<br>6 | 0<br>0<br>4<br>3<br>7 | 0<br>0<br>4<br>3<br>8 | 0<br>0<br>4<br>3<br>9 | 0<br>0<br>4<br>4<br>0 | 0<br>0<br>4<br>4<br>1 | 0<br>0<br>4<br>4<br>2 | 0<br>0<br>4<br>4<br>3 | 0<br>0<br>4<br>4<br>4 | 0<br>0<br>4<br>4<br>5 | 0<br>0<br>4<br>4<br>6 | 0<br>0<br>4<br>4<br>7 | 0<br>0<br>4<br>4<br>8 | 0<br>0<br>4<br>4<br>9 |       |
| 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                 |       |
| <b>INTEGUMENTARY SYSTEM</b>       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |       |
| Mammary Gland                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50                    |       |
| Hyperplasia                       |                       |                       | 1                     |                       |                       |                       |                       |                       |                       |                       |                       |                       | 3                     |                       |                       |                       |                       | 2                     |                       |                       |                       |                       | 3                     | 6 1.8                 |       |
| Skin                              | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50                    |       |
| Cyst Epithelial Inclusion         |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |       |
| Edema                             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1 2.0                 |       |
| <b>MUSCULOSKELETAL SYSTEM</b>     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |       |
| Bone                              | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50                    |       |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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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  
 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        |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|-----------------|
|   | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0            |                 |
| 12 MG/KG                                    | 7           | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 5 | 7 | 7            |                 |
|   | 3           | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 2 | 7 | 2 | 2 | 2 | 1 | 3 | 4 | 9 | 3 | 3 | 4 | 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            |                 |
|   | 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            |                 |
|   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |              | <b>* TOTALS</b> |
| Kidney                                      | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +            | <b>50</b>       |
| Amyloid Deposition                          |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |              | <b>1 4.0</b>    |
| Cyst  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |              | <b>1 3.0</b>    |
| Infarct                                     |             |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |              | <b>1 1.0</b>    |
| Infiltration Cellular, Lymphocyte           | 3           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 | <b>5 2.8</b> |                 |
| Metaplasia, Osseous                         |             |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |              | <b>3 2.3</b>    |
| Mineralization                              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |              | <b>1 2.0</b>    |
| Nephropathy                                 | 3           |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   | 1 | <b>7 1.7</b> |                 |
| Renal Tubule, Accumulation, Hyaline Droplet |             |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 | <b>2 2.5</b> |                 |
| Urinary Bladder                             | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +            | <b>50</b>       |
| Infiltration Cellular, Lymphocyte           | 3           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |              | <b>4 2.8</b>    |

\* .. 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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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<br>(cont...) |
|--------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------------|
|                    | 0<br>1<br>3<br>8 | 0<br>1<br>6<br>9 | 0<br>3<br>1<br>6 | 0<br>2<br>8<br>2 | 0<br>2<br>3<br>9 | 0<br>3<br>1<br>6 | 0<br>2<br>8<br>2 | 0<br>2<br>3<br>9 | 0<br>2<br>3<br>2 | 0<br>3<br>1<br>6 | 0<br>0<br>2<br>4 | 0<br>2<br>3<br>4 | 0<br>1<br>1<br>7 | 0<br>2<br>2<br>5 | 0<br>2<br>2<br>4 | 0<br>2<br>2<br>6 | 0<br>3<br>0<br>9 | 0<br>2<br>8<br>5 | 0<br>3<br>0<br>0 | 0<br>2<br>8<br>8 | 0<br>1<br>3<br>6 | 0<br>1<br>4<br>8 | 0<br>2<br>4<br>4 | 0<br>2<br>7<br>6 | 0<br>3<br>1<br>4 |                  |                      |
| 25 MG/KG           | 0<br>4<br>5<br>1 | 0<br>0<br>4<br>2 | 0<br>0<br>4<br>3 | 0<br>0<br>4<br>4 | 0<br>0<br>4<br>5 | 0<br>0<br>4<br>6 | 0<br>0<br>4<br>7 | 0<br>0<br>4<br>8 | 0<br>0<br>4<br>9 | 0<br>0<br>4<br>0 | 0<br>0<br>4<br>1 | 0<br>0<br>4<br>2 | 0<br>0<br>4<br>3 | 0<br>0<br>4<br>4 | 0<br>0<br>4<br>5 | 0<br>0<br>4<br>6 | 0<br>0<br>4<br>7 | 0<br>0<br>4<br>8 | 0<br>0<br>4<br>9 | 0<br>0<br>4<br>0 | 0<br>0<br>4<br>1 | 0<br>0<br>4<br>2 | 0<br>0<br>4<br>3 | 0<br>0<br>4<br>4 | 0<br>0<br>4<br>5 | 0<br>0<br>4<br>6 |                      |

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

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<br>(cont...) |
|--------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|
|                    | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |           |                      |
| 25 MG/KG           | 1           | 1 | 3 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 0 | 2 | 1 | 1 | 2 | 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         |                      |
|                    | 8           | 9 | 6 | 2 | 9 | 6 | 2 | 9 | 2 | 6 | 4 | 2 | 4 | 7 | 5 | 4 | 6 | 0 | 9 | 8 | 6 | 9 | 8 | 6 | 6         |                      |
|                    | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0         |                      |
|                    | 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         |                      |
|                    | 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         |                      |

Trachea  
 Inflammation, Chronic Active

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

**SPECIAL SENSES SYSTEM**

Eye

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

Harderian Gland

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

**URINARY SYSTEM**

Kidney  
 Nephropathy

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

Urinary Bladder

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

\* .. 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<br>25 MG/KG    | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | * TOTALS |       |
|-----------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------|-------|
|                                   | 0<br>3<br>1<br>6 | 0<br>1<br>7<br>7 | 0<br>3<br>1<br>6 | 0<br>2<br>8<br>4 | 0<br>2<br>9<br>2 | 0<br>0<br>0<br>4 | 0<br>2<br>1<br>5 | 0<br>2<br>8<br>4 | 0<br>2<br>5<br>7 | 0<br>1<br>8<br>4 | 0<br>0<br>0<br>6 | 0<br>2<br>9<br>0 | 0<br>2<br>5<br>3 | 0<br>1<br>5<br>9 | 0<br>1<br>6<br>6 | 0<br>2<br>4<br>7 | 0<br>3<br>2<br>6 | 0<br>3<br>1<br>6 | 0<br>2<br>3<br>4 | 0<br>2<br>7<br>5 | 0<br>2<br>0<br>5 | 0<br>1<br>3<br>9 | 0<br>2<br>5<br>6 | 0<br>0<br>0<br>0 |                  |          |       |
| ANIMAL ID                         | 0<br>4<br>7<br>6 | 0<br>0<br>4<br>7 | 0<br>0<br>4<br>7 | 0<br>0<br>4<br>7 | 0<br>0<br>4<br>7 | 0<br>0<br>4<br>8 | 0<br>0<br>4<br>8 | 0<br>0<br>4<br>8 | 0<br>0<br>4<br>8 | 0<br>0<br>4<br>8 | 0<br>0<br>4<br>8 | 0<br>0<br>4<br>8 | 0<br>0<br>4<br>8 | 0<br>0<br>4<br>8 | 0<br>0<br>4<br>9 | 0<br>0<br>4<br>9 | 0<br>0<br>4<br>9 | 0<br>0<br>4<br>9 | 0<br>0<br>4<br>9 | 0<br>0<br>4<br>9 | 0<br>0<br>4<br>9 | 0<br>0<br>4<br>9 | 0<br>0<br>4<br>9 | 0<br>0<br>4<br>9 | 0<br>0<br>4<br>9 |          |       |
| Epithelium, Hyperplasia           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 2        | 1 2.0 |
| Stomach, Glandular                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 50       |       |
| Tongue<br>Cyst                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 1        | 1 3.0 |
| <b>CARDIOVASCULAR SYSTEM</b>      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |       |
| Heart                             | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 50       |       |
| <b>ENDOCRINE SYSTEM</b>           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |       |
| 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  
 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

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

NONE

**GENITAL SYSTEM**

|   |   |                     |
|---|---|---------------------|
| Clitoral Gland                          | + + + + M M + M | <b>47</b>           |
| Ovary Cyst                              | +   | <b>50</b><br>2 3.5  |
| Uterus Endometrium, Hyperplasia, Cystic | +   | <b>50</b><br>15 1.4 |

**HEMATOPOIETIC SYSTEM**

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

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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 FEMALE<br>25 MG/KG          | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | * TOTALS         |             |  |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------|--|
|   | 0<br>3<br>1<br>6 | 0<br>1<br>7<br>7 | 0<br>3<br>1<br>7 | 0<br>2<br>8<br>4 | 0<br>2<br>9<br>4 | 0<br>0<br>0<br>1 | 0<br>2<br>0<br>4 | 0<br>2<br>1<br>5 | 0<br>2<br>8<br>4 | 0<br>2<br>5<br>7 | 0<br>1<br>8<br>4 | 0<br>0<br>0<br>6 | 0<br>2<br>9<br>0 | 0<br>2<br>5<br>3 | 0<br>1<br>5<br>9 | 0<br>2<br>6<br>6 | 0<br>3<br>2<br>6 | 0<br>3<br>1<br>6 | 0<br>1<br>3<br>1 | 0<br>2<br>7<br>5 | 0<br>2<br>0<br>5 | 0<br>1<br>5<br>6 | 0<br>0<br>0<br>0 |                  |                  |             |  |
|   | ANIMAL ID        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |             |  |
|   | 0<br>4<br>7<br>6 | 0<br>0<br>4<br>7 | 0<br>0<br>4<br>7 | 0<br>0<br>4<br>7 | 0<br>0<br>4<br>7 | 0<br>0<br>4<br>8 | 0<br>0<br>4<br>8 | 0<br>0<br>4<br>8 | 0<br>0<br>4<br>8 | 0<br>0<br>4<br>8 | 0<br>0<br>4<br>8 | 0<br>0<br>4<br>8 | 0<br>0<br>4<br>8 | 0<br>0<br>4<br>8 | 0<br>0<br>4<br>9 | 0<br>0<br>4<br>9 | 0<br>0<br>4<br>9 | 0<br>0<br>4<br>9 | 0<br>0<br>4<br>9 | 0<br>0<br>4<br>9 | 0<br>0<br>4<br>9 | 0<br>0<br>4<br>9 | 0<br>0<br>4<br>9 | 0<br>0<br>4<br>9 | 0<br>0<br>4<br>9 |             |  |
| Trachea<br>Inflammation, Chronic Active | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 50<br>1 4.0 |  |
| <b>SPECIAL SENSES SYSTEM</b>            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |             |  |
| Eye                                     | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 50          |  |
| Harderian Gland                         | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 50          |  |
| <b>URINARY SYSTEM</b>                   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |             |  |
| Kidney<br>Nephropathy                   | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 50<br>3 1.0 |  |
| Urinary Bladder                         | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 50          |  |

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

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

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