

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

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

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		

Note: Animals arranged according to days on test.

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Date Report Requested: 08/11/2010  
 Time Report Requested: 13:12:57  
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 Lab: SRI

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

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder	+	+	A	A	+	A	A	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	A	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	A	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leiomyosarcoma																									
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemangiosarcoma																									X
Hepatoblastoma																									
Hepatoblastoma, Multiple																									X
Hepatocellular Adenoma	X								X						X	X					X				X
Hepatocellular Adenoma, Multiple													X						X						X
Hepatocellular Carcinoma	X			X	X	X	X	X	X					X									X	X	X
Hepatocellular Carcinoma, Multiple													X												X
Hepatocholangioma																									
Mesentery																									
Leiomyosarcoma, Metastatic, Intestine Small, Jejunum		+											+												+

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

M .. Missing tissue  
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 BLANK .. Not examined microscopically



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

Follicular Cell, Adenoma  
 Follicular Cell, Carcinoma

X

GENERAL BODY SYSTEM

Tissue NOS +  
 Hepatocellular Carcinoma, Metastatic, Liver X

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Penis																									
Preputial Gland	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Prostate	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Interstitial Cell, Adenoma													X												

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node																									
Thoracic, Alveolar/Bronchiolar Carcinoma, Metastatic, Lung			+	+	X																				
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+

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B6C3F1 MICE MALE  0 MG/KG	DAY ON TEST	ANIMAL ID																				males (cont...)					
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0				
		4	4	5	5	5	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7		7	7			
		7	9	6	8	9	0	0	3	4	7	2	2	2	2	2	2	2	2	2	2	3	3	3			
		6	8	8	1	8	3	4	1	9	7	9	9	9	9	9	9	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	0	0	0	0	0		
		4	1	0	3	3	1	2	2	0	3	0	0	1	2	2	3	3	3	4	4	4	5	0	0		
		2	2	3	6	3	8	9	2	2	1	5	6	6	6	7	0	4	8	1	4	5	0	7	8	9	
Leiomyosarcoma, Metastatic, Intestine Small, Jejunum																											
Nose		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Trachea		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<b>SPECIAL SENSES SYSTEM</b>																											
Eye		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Harderian Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Adenoma																											
Carcinoma													X						X	X				X		X	
<b>URINARY SYSTEM</b>																											
Kidney		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung																							X				
Urinary Bladder		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<b>SYSTEMIC LESIONS</b>																											
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Histiocytic Sarcoma																											
Lymphoma Malignant			X																							X	

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<b>B6C3F1 MICE MALE</b>	DAY ON TEST	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	<b>* TOTALS</b>
	<b>0 MG/KG</b>	0 0 0 1 3	0 0 0 1 4	0 0 0 1 5	0 0 0 1 9	0 0 0 2 3	0 0 0 2 8	0 0 0 3 2	0 0 0 3 7	0 0 0 3 9	0 0 0 3 9	0 0 0 4 1	0 0 0 0 1	0 0 0 0 1	0 0 0 1 1	0 0 0 2 0	0 0 0 2 4	0 0 0 2 5	0 0 0 3 5	0 0 0 4 0	0 0 0 4 3	0 0 0 4 6	0 0 0 4 7	

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Gallbladder	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	43
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leiomyosarcoma																							X		1
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hemangiosarcoma												X			X										2
Hepatoblastoma										X				X											2
Hepatoblastoma, Multiple																									1
Hepatocellular Adenoma				X	X		X										X								10
Hepatocellular Adenoma, Multiple								X	X				X	X	X			X	X	X	X				14
Hepatocellular Carcinoma	X		X					X										X							13
Hepatocellular Carcinoma, Multiple																X									3
Hepatocholangioma																						X			1
Mesentery																							+		4
Leiomyosarcoma, Metastatic, Intestine Small, Jejunum																							X		1

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TDMS No. 99037 - 06  
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alpha/beta Thujone mixture  
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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	0	0	0	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	7	7	
		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
		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	
<b>0 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	<b>* TOTALS</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		
		1	1	1	1	2	2	2	3	3	3	4	0	0	1	1	1	2	2	2	3	4	4	4	4	4		

Follicular Cell, Adenoma 1  
 Follicular Cell, Carcinoma 1  
 X

**GENERAL BODY SYSTEM**

Tissue NOS 1  
 Hepatocellular Carcinoma, Metastatic, Liver 1

**GENITAL SYSTEM**

Epididymis 50  
 Penis 1  
 Preputial Gland 49  
 Prostate 49  
 Seminal Vesicle 50  
 Testes 50  
 Interstitial Cell, Adenoma 1

**HEMATOPOIETIC SYSTEM**

Bone Marrow 50  
 Lymph Node 3  
 Thoracic, Alveolar/Bronchiolar Carcinoma, Metastatic, Lung 1  
 Lymph Node, Mandibular 47  
 Lymph Node, Mesenteric 49

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B6C3F1 MICE MALE 0 MG/KG	DAY ON TEST																								* TOTALS
	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 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	
Plasma Cell Tumor Malignant																									1
Spleen Hemangiosarcoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1
Thymus Hepatocellular Carcinoma, Metastatic, Liver	+	+	+	M	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	M	M	44 1
<b>INTEGUMENTARY SYSTEM</b>																									
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
<b>MUSCULOSKELETAL SYSTEM</b>																									
Bone Osteoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					50 1
Skeletal Muscle Hemangiosarcoma																									2 2
<b>NERVOUS SYSTEM</b>																									
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
<b>RESPIRATORY SYSTEM</b>																									
Lung Alveolar/Bronchiolar Adenoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 7
Lung Alveolar/Bronchiolar Carcinoma		X	X				X												X						6
Lung Hepatocellular Carcinoma, Metastatic, Liver				X	X				X									X				X			4

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B6C3F1 MICE MALE 0 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	* TOTALS
	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	
		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		1	1	1	1	2	2	2	3	3	3	4	0	0	1	1	1	2	2	2	3	4	4	4		
		3	4	5	9	1	3	8	2	7	9	1	4	0	1	7	0	4	5	5	0	3	6	7	8	
Leiomyosarcoma, Metastatic, Intestine Small, Jejunum																								X	1	
Nose		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Trachea		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
<b>SPECIAL SENSES SYSTEM</b>																										
Eye		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Harderian Gland Adenoma		+	+	+	+																				50	
Harderian Gland Carcinoma						X	X										X					X			8	
																									2	
<b>URINARY SYSTEM</b>																										
Kidney Alveolar/Bronchiolar Carcinoma, Metastatic, Lung		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
																									1	
Urinary Bladder		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
<b>SYSTEMIC LESIONS</b>																										
Multiple Organ Histiocytic Sarcoma		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Multiple Organ Lymphoma Malignant																									1	
						X						X													4	

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<b>B6C3F1 MICE MALE</b> <b>3 MG/KG</b>	DAY ON TEST	004	005	006	006	006	006	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	males (cont...)
	ANIMAL ID	0079	0082	0056	0006	0002	0001	0004	0000	0008	0000	0007	0005	0001	0006	0009	0001	0002	0005	0009	0002	0005	0009	0002	0005	0009	

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder	+	+	+	+	M	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	A	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum Carcinoma	+	+	A	A	+	M	A	+	+	+	+	X	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemangiosarcoma																										
Hepatoblastoma						X											X									
Hepatocellular Adenoma			X								X	X		X	X	X				X						X
Hepatocellular Adenoma, Multiple								X								X		X			X					X
Hepatocellular Carcinoma				X	X			X							X		X	X	X	X						
Hepatocellular Carcinoma, Multiple			X				X						X	X	X											
Mast Cell Tumor Malignant						X																				
Mesentery					+																					
Hemangiosarcoma																										
Sarcoma				X																						
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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

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



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

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 alpha/beta Thujone mixture  
 CAS Number: THUJONEMIXAB

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

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

Tissue NOS  
 Hemangiosarcoma +  
 X

**GENITAL SYSTEM**

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Preputial Gland Hemangiosarcoma	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Seminal Vesicle Sarcoma, Metastatic, Mesentery	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes Interstitial Cell, Adenoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

**HEMATOPOIETIC SYSTEM**

Bone Marrow Mast Cell Tumor Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mandibular Mast Cell Tumor Malignant	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric	+	+	+	M	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen Mast Cell Tumor Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thymus	+	+	+	M	+	M	+	+	+	+	+	+	+	M	M	+	+	+	M	+	+	+	+	+	+

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

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

**INTEGUMENTARY SYSTEM**

Mammary Gland

+ +

Skin

+ +

Mast Cell Tumor Malignant

Subcutaneous Tissue, Hemangiosarcoma

X

Subcutaneous Tissue, Osteosarcoma,  
 Metastatic, Uncertain Primary Site

X

**MUSCULOSKELETAL SYSTEM**

Bone

+ +

Skeletal Muscle

+

Sarcoma

X

**NERVOUS SYSTEM**

Brain

+ +

**RESPIRATORY SYSTEM**

Lung

+ +

Alveolar/Bronchiolar Adenoma

X

X

X

Alveolar/Bronchiolar Adenoma, Multiple

X

Alveolar/Bronchiolar Carcinoma

X

X

Hepatocellular Carcinoma, Metastatic, Liver

X

X

X

X

Nose

+ +

Trachea

+ +

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

M .. Missing tissue  
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 BLANK .. Not examined microscopically

TDMS No. 99037 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
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P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7                          | 7 | 7 | 7 | 7 | 7 | 7 |
|                         |             | 0 | 2 | 5 | 5 | 6 | 7 | 8 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3                          | 3 | 3 | 3 | 3 | 3 | 3 |
|                         |             | 4 | 9 | 4 | 4 | 3 | 4 | 7 | 5 | 9 | 9 | 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 |
| <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 | 0                          | 0 | 0 | 0 | 0 | 0 |   |
|                         |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0                          | 0 | 0 | 0 | 0 | 0 | 0 |
|                         |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 8 | 5 | 6 | 7 | 6 | 8 | 8 | 5 | 6 | 6 | 7 | 9 | 9 | 9 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7                          | 7 | 7 | 7 | 7 | 7 |   |
|                         | 9           | 2 | 6 | 6 | 2 | 1 | 4 | 0 | 8 | 0 | 7 | 5 | 1 | 6 | 9 | 1 | 2 | 5 | 9 | 2 | 5 | 9 | 1 | 7 | 8 | 8 | 8 | 8 | 8 | 8                          | 8 | 8 | 8 | 8 | 8 | 8 |
|                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>males<br/>(cont...)</b> |   |   |   |   |   |   |

**SPECIAL SENSES SYSTEM**

|                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Eye                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Harderian Gland    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Adenoma            |   |   |   |   |   |   |   |   | X |   |   | X | X |   |   | X | X |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Carcinoma          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Bilateral, Adenoma |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |

**URINARY SYSTEM**

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

**SYSTEMIC LESIONS**

|                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Multiple Organ      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Histiocytic Sarcoma |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Lymphoma Malignant  |   | X |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |

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

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
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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 |   |                 |   |
|                         |             | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |                 |   |
|                         |             | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |                 |   |
| <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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |                 |   |
|                         |             | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |                 |   |
|                         |             | 8 | 8 | 8 | 8 | 9 | 9 | 0 | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9               | 9 |
|                         |             | 1 | 7 | 8 | 9 | 2 | 7 | 0 | 3 | 4 | 7 | 3 | 4 | 8 | 0 | 3 | 4 | 6 | 3 | 5 | 6 | 0 | 3 | 4 | 5               | 8 |
|                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>* TOTALS</b> |   |

ALIMENTARY SYSTEM

|                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Gallbladder                        | + | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | 45 |
| Intestine Large, Cecum             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Colon             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | 49 |
| Intestine Large, Rectum            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Duodenum          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | + | + | + | + | 46 |
| Intestine Small, Ileum             | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Intestine Small, Jejunum           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Carcinoma                          |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Liver                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hemangiosarcoma                    | X |   |   |   |   |   |   |   | X |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   | 3  |
| Hepatoblastoma                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   | 3  |
| Hepatocellular Adenoma             |   |   |   | X | X |   |   | X |   |   |   |   |   | X | X |   |   |   |   | X |   | X |   |   |   | 15 |
| Hepatocellular Adenoma, Multiple   |   |   |   |   | X |   |   | X |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 8  |
| Hepatocellular Carcinoma           | X | X |   |   |   | X | X | X |   |   |   |   |   |   |   | X |   |   | X | X | X |   |   | X |   | 18 |
| Hepatocellular Carcinoma, Multiple |   |   |   |   |   |   |   |   | X |   | X |   |   |   |   |   |   |   |   |   |   |   |   | X |   | 8  |
| Mast Cell Tumor Malignant          |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Mesentery                          |   |   |   |   |   |   |   |   | + | + |   |   |   |   |   |   |   |   |   |   |   | + |   |   |   | 4  |
| Hemangiosarcoma                    |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Sarcoma                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Pancreas                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

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

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

| B6C3F1 MICE MALE<br>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 | * TOTALS |
|-----------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------|
|                             |             | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |           |          |
|                             |             | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |           |          |
|                             |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |           |          |
|                             |             | 8 | 8 | 8 | 8 | 9 | 9 | 0 | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 |           |          |
|                             |             | 1 | 7 | 8 | 9 | 2 | 7 | 0 | 3 | 4 | 7 | 3 | 4 | 8 | 0 | 3 | 4 | 6 | 3 | 5 | 6 | 0 | 3 | 4 |           |          |

|                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Sarcoma, Metastatic, Mesentery |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Salivary Glands                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Stomach, Forestomach           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Stomach, Glandular             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

**CARDIOVASCULAR SYSTEM**

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

**ENDOCRINE SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |              |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|
| Adrenal Cortex<br>Subcapsular, Adenoma                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50<br>4      |
| Adrenal Medulla<br>Bilateral, Pheochromocytoma Benign | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49<br>1      |
| Islets, Pancreatic<br>Adenoma<br>Adenoma, Multiple    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50<br>1<br>1 |
| Parathyroid Gland                                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48           |
| Pituitary Gland<br>Pars Distalis, Adenoma             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50<br>1      |
| Thyroid Gland   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50           |

**GENERAL BODY SYSTEM**

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

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

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

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * TOTALS |
|-----------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
|                             | ANIMAL ID   | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |          |
|                             |             | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |          |
|                             |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |          |
|                             |             | 8 | 8 | 8 | 8 | 9 | 9 | 0 | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 |          |
|                             |             | 1 | 7 | 8 | 9 | 2 | 7 | 0 | 3 | 4 | 7 | 3 | 4 | 8 | 0 | 3 | 4 | 6 | 3 | 5 | 6 | 0 | 3 | 4 |          |

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

**GENITAL SYSTEM**

|                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Epididymis                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Preputial Gland                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Hemangiosarcoma                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Prostate                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Seminal Vesicle                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Sarcoma, Metastatic, Mesentery |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Testes                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Interstitial Cell, Adenoma     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   | 1  |

**HEMATOPOIETIC SYSTEM**

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone Marrow               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Mast Cell Tumor Malignant |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Lymph Node, Mandibular    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Mast Cell Tumor Malignant |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Lymph Node, Mesenteric    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Spleen                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Mast Cell Tumor Malignant |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Thymus                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + | M | + | + | + | + | + | 43 |

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

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

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

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

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 |          |
| <b>B6C3F1 MICE MALE</b> |                | 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> | 3           | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3        |
|                         | ANIMAL ID      | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0        |
|                         |                | 8           | 8 | 8 | 8 | 9 | 9 | 0 | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9        |
|                         |                | 1           | 7 | 8 | 9 | 2 | 7 | 0 | 3 | 4 | 7 | 3 | 4 | 8 | 0 | 3 | 4 | 6 | 3 | 5 | 6 | 0 | 3 | 4 | 5 | 8        |

**INTEGUMENTARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Mammary Gland   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Skin  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Mast Cell Tumor Malignant   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Subcutaneous Tissue, Hemangiosarcoma                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Subcutaneous Tissue, Osteosarcoma, Metastatic, Uncertain Primary Site |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |

**MUSCULOSKELETAL SYSTEM**

|                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Skeletal Muscle |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Sarcoma         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |

**NERVOUS SYSTEM**

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

**RESPIRATORY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Lung  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Alveolar/Bronchiolar Adenoma                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3  |
| Alveolar/Bronchiolar Adenoma, Multiple      |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   | X |   |   |   |   |   |   |   |   |   | 2  |
| Alveolar/Bronchiolar Carcinoma              |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   | 4  |
| Hepatocellular Carcinoma, Metastatic, Liver |   |   |   |   |   |   |   |   | X |   | X |   |   |   |   |   |   | X |   |   |   |   |   | X |   | 8  |
| Nose  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Trachea                                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

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

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | * TOTALS |   |
|------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|
|                  |             | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |          | 7 |
| 3 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        |   |
|                  |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0        |   |
|                  |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0        |   |
|                  |             | 0 | 0 | 0 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0        |   |
|                  |             | 8 | 8 | 8 | 8 | 9 | 9 | 0 | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9        |   |
|                  |             | 1 | 7 | 8 | 9 | 2 | 7 | 0 | 3 | 4 | 7 | 3 | 4 | 8 | 0 | 3 | 4 | 6 | 3 | 5 | 6 | 0        |   |

SPECIAL SENSES SYSTEM

|                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Eye                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Harderian Gland    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Adenoma            |   |   | X |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   | 8  |
| Carcinoma          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   | 2  |
| Bilateral, Adenoma |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   | 1  |

URINARY SYSTEM

|                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Kidney          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Urethra         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

SYSTEMIC LESIONS

|                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Multiple Organ      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Histiocytic Sarcoma |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   | 1  |
| Lymphoma Malignant  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |

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

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

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

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

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

**ALIMENTARY SYSTEM**

|                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder                        | + | A | M | + | A | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum             | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma                            |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |
| Carcinoma                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Intestine Small, Ileum             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Intestine Small, Jejunum           | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma                          |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Liver                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemangiosarcoma                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |
| Hepatoblastoma                     |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hepatocellular Adenoma             |   |   |   |   | X |   |   | X | X |   |   |   | X |   |   | X | X | X |   |   |   | X | X | X |
| Hepatocellular Adenoma, Multiple   | X |   |   |   |   |   |   |   |   | X |   |   |   |   |   | X |   |   | X | X |   | X |   |   |
| Hepatocellular Carcinoma           |   |   |   | X |   |   |   | X |   |   | X |   |   |   |   |   |   | X |   |   | X |   |   |   |
| Hepatocellular Carcinoma, Multiple |   | X | X |   |   |   |   |   |   |   |   |   |   |   |   | X | X |   |   |   |   |   | X | X |
| Mesentery                          |   |   |   |   |   |   |   |   |   |   | + | + |   |   |   |   |   |   |   |   |   |   |   |   |

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

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

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

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

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

Alveolar/Bronchiolar Carcinoma, Metastatic, Lung

X

Pancreas

+ +

Salivary Glands

+ +

Stomach, Forestomach  
Squamous Cell Papilloma

+ +

Stomach, Glandular

+ +

Tooth

**CARDIOVASCULAR SYSTEM**

Heart

+ +

Alveolar/Bronchiolar Carcinoma, Metastatic, Lung

X X

**ENDOCRINE SYSTEM**

Adrenal Cortex  
Subcapsular, Adenoma

+ X + + + +

Adrenal Medulla

+ +

Islets, Pancreatic  
Adenoma

+ X + +

Parathyroid Gland

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

Pituitary Gland

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

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

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

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

males (cont...)

Thyroid Gland

+ +

GENERAL BODY SYSTEM

Tissue NOS  
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung

+  
X

GENITAL SYSTEM

Epididymis  
Preputial Gland  
Prostate  
Seminal Vesicle  
Testes  
Interstitial Cell, Adenoma

+  
+  
+  
+  
+ +

HEMATOPOIETIC SYSTEM

Bone Marrow  
Lymph Node  
Lymph Node, Mandibular  
Lymph Node, Mesenteric  
Spleen  
Hemangiosarcoma

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

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



| B6C3F1 MICE MALE<br>6 MG/KG                 | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID | males<br>(cont...) |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |   |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|--------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|---|---|
|   | 0<br>5<br>8<br>9 | 0<br>6<br>6<br>4 | 0<br>6<br>7<br>5 | 0<br>6<br>7<br>7 | 0<br>6<br>8<br>8 | 0<br>6<br>6<br>1 | 0<br>6<br>9<br>6 | 0<br>6<br>9<br>8 | 0<br>6<br>9<br>4 | 0<br>7<br>7<br>9 | 0<br>7<br>7<br>9 | 0<br>7<br>7<br>9 | 0<br>7<br>7<br>9 | 0<br>7<br>7<br>9 | 0<br>7<br>7<br>9 | 0<br>7<br>7<br>9 | 0<br>7<br>7<br>9 | 0<br>7<br>7<br>9 | 0<br>7<br>7<br>9 | 0<br>7<br>7<br>9 | 0<br>7<br>7<br>9 | 0<br>7<br>7<br>9 | 0<br>7<br>7<br>9 | 0<br>7<br>7<br>9 | 0<br>7<br>7<br>9 |           |                    | 0<br>7<br>7<br>9 | 0<br>7<br>7<br>9 | 0<br>7<br>7<br>9 | 0<br>7<br>7<br>9 | 0<br>7<br>7<br>9 | 0<br>7<br>7<br>9 | 0<br>7<br>7<br>9 | 0<br>7<br>7<br>9 | 0<br>7<br>7<br>9 | 0<br>7<br>7<br>9 |   |   |
| Thymus                                      | +                | +                | M                | +                | +                | M                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | + | M |
| <b>INTEGUMENTARY SYSTEM</b>                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |   |
| Mammary Gland                               | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | + | + |
| Skin  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | + | + |
| <b>MUSCULOSKELETAL SYSTEM</b>               |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |   |
| Bone  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | + | + |
| Skeletal Muscle<br>Hemangiosarcoma          | +                |                  |                  |                  |                  |                  |                  |                  | +                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |   |
| <b>NERVOUS SYSTEM</b>                       |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |   |
| Brain                                       | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | + | + |
| <b>RESPIRATORY SYSTEM</b>                   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |   |
| Lung  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | + | + |
| Alveolar/Bronchiolar Adenoma                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | X                | X                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   | X |
| Alveolar/Bronchiolar Carcinoma              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   | X |
| Alveolar/Bronchiolar Carcinoma, Multiple    | X                |                  |                  |                  |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |   |
| Hepatocellular Carcinoma, Metastatic, Liver |                  | X                |                  | X                |                  | X                |                  |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  | X                |                  | X                |                  |                  |                  |                  |                  |           |                    |                  |                  |                  |                  |                  |                  |                  |                  |                  | X                | X |   |
| Nose  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | + | + |
| Fibroma                                     |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   | X |
| Trachea                                     | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | + | + |

**SPECIAL SENSES SYSTEM**

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

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

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

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland Adenoma   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland Carcinoma |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   | X |   |   |   |

**URINARY SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | X |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Renal Tubule, Adenoma                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Urinary Bladder                                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

**SYSTEMIC LESIONS**

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Multiple Organ Lymphoma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|                                   |   |   |   |   |   | X | X |   |   |   |   |   |   |   |   |   |   | X |   |   | X |   | X | X |   |

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

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

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

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

alpha/beta Thujone mixture  
 CAS Number: THUJONEMIXAB

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

| B6C3F1 MICE MALE | DAY ON TEST | ANIMAL ID |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |      |   |   |                 |  |
|------------------|-------------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|---|---|-----------------|--|
|                  |             | 0729      | 0729 | 0729 | 0733 | 0733 | 0730 | 0733 | 0733 | 0730 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 |          | 0733 |   |   |                 |  |
| 6 MG/KG          |             | 0         | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0        |      |   |   |                 |  |
|                  |             | 0         | 0    | 0    | 0    | 0    | 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        |      |   |   |                 |  |
|                  |             | 4         | 4    | 5    | 0    | 1    | 1    | 1    | 2    | 2    | 2    | 3    | 3    | 3    | 3    | 4    | 4    | 4    | 4    | 0    | 2    | 3        | 3    | 4 | 4 |                 |  |
|                  |             | 8         | 9    | 0    | 3    | 6    | 7    | 8    | 0    | 3    | 6    | 0    | 1    | 4    | 7    | 8    | 0    | 2    | 3    | 7    | 2    | 9        | 6    | 9 | 4 | 5               |  |
|                  |             |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |   |   | <b>* TOTALS</b> |  |

**ALIMENTARY SYSTEM**

|                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Esophagus                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Gallbladder                        | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | <b>44</b> |
| Intestine Large, Cecum             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>49</b> |
| Intestine Large, Colon             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Intestine Large, Rectum            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Intestine Small, Duodenum          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Adenoma                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>  |
| Carcinoma                          |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>  |
| Intestine Small, Ileum             | + | + | + | + | + | + | + | + | + | M | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>48</b> |
| Carcinoma                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   | <b>1</b>  |
| Intestine Small, Jejunum           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>49</b> |
| Carcinoma                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   | <b>2</b>  |
| Liver                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Hemangiosarcoma                    | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>2</b>  |
| Hepatoblastoma                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>  |
| Hepatocellular Adenoma             |   |   | X |   |   |   |   | X | X |   |   |   |   |   |   | X | X |   |   |   | X |   |   |   |   | <b>16</b> |
| Hepatocellular Adenoma, Multiple   |   |   |   |   | X | X |   |   |   | X | X |   |   |   | X | X |   |   |   |   | X |   |   | X |   | <b>14</b> |
| Hepatocellular Carcinoma           |   |   |   |   |   |   |   | X |   | X |   |   |   |   | X | X | X | X |   |   | X |   | X |   |   | <b>15</b> |
| Hepatocellular Carcinoma, Multiple | X |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   | <b>8</b>  |
| Mesentery                          |   |   |   |   |   |   | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>3</b>  |

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

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

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

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

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 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |         |         |     |     |          |
|--|---|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|---------|-----|-----|----------|
|  |   | 07          | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 07      | 07      | 07  |     |          |
| B6C3F1 MICE MALE<br><br>6 MG/KG                  |   | ANIMAL ID   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |         |         |     |     | * TOTALS |
|  |   | 001         | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001     | 001     | 001 | 001 |          |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung |   |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |         |         | 1   |     |          |
| Pancreas   | + | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +       | +       | 50  |     |          |
| Salivary Glands                                  | + | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +       | +       | 50  |     |          |
| Stomach, Forestomach<br>Squamous Cell Papilloma  | + | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | X   | +   | +   | +   | +   | +   | +   | +   | +   | +       | 50<br>1 |     |     |          |
| Stomach, Glandular                               | + | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +       | 50      |     |     |          |
| Tooth  |   |             | +   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |         | 1       |     |     |          |
| <b>CARDIOVASCULAR SYSTEM</b>                     |   |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |         |         |     |     |          |
| Heart  | + | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +       | 50      |     |     |          |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung |   |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |         | 2       |     |     |          |
| <b>ENDOCRINE SYSTEM</b>                          |   |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |         |         |     |     |          |
| Adrenal Cortex<br>Subcapsular, Adenoma           | + | +           | +   | +   | +   | +   | +   | +   | +   | X   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | 50<br>2 |         |     |     |          |
| Adrenal Medulla                                  | + | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | 50      |         |     |     |          |
| Islets, Pancreatic<br>Adenoma                    | + | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | 50<br>1 |         |     |     |          |
| Parathyroid Gland                                | + | +           | +   | +   | +   | +   | +   | M   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | 47      |         |     |     |          |
| Pituitary Gland                                  | + | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | M   | +   | +   | +   | +   | +   | 48      |         |     |     |          |

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

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

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

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 alpha/beta Thujone mixture  
 CAS Number: THUJONEMIXAB

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

| B6C3F1 MICE MALE                                 |           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0        |
|--|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
| 6 MG/KG  |           | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7        |
| DAY ON TEST                                      | ANIMAL ID | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3        |
|  |           | 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        |
|  |           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1        |
|  |           | 4 | 4 | 5 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 0 | 2 | 3 | 3 | 4        |
|  |           | 8 | 9 | 0 | 3 | 6 | 7 | 8 | 0 | 3 | 6 | 0 | 1 | 4 | 7 | 8 | 0 | 2 | 3 | 7 | 2 | 9 | 6 | 4        |
|  |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | * TOTALS |
| Thyroid Gland                                    |           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50       |
| <b>GENERAL BODY SYSTEM</b>                       |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |
| Tissue NOS                                       |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1        |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1        |
| <b>GENITAL SYSTEM</b>                            |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |
| Epididymis                                       |           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50       |
| Preputial Gland                                  |           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50       |
| Prostate   |           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50       |
| Seminal Vesicle                                  |           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50       |
| Testes   |           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50       |
| Interstitial Cell, Adenoma                       |           |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   | 1 |          |
| <b>HEMATOPOIETIC SYSTEM</b>                      |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |
| Bone Marrow                                      |           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50       |
| Lymph Node                                       |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1        |
| Lymph Node, Mandibular                           |           | + | + | + | + | + | M | + | + | + | + | + | + | + | M | + | + | + | + | + | M | + | + | 46       |
| Lymph Node, Mesenteric                           |           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47       |
| Spleen   |           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50       |
| Hemangiosarcoma                                  |           |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   | X |   | 3        |

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

alpha/beta Thujone mixture  
CAS Number: THUJONEMIXAB

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

| B6C3F1 MICE MALE                                 | DAY ON TEST | ANIMAL ID |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |    |    |
|--|-------------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|----|----|
|  |             | 0729      | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 |          |    |    |
| 6 MG/KG  |             | 0         | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0        | 0  |    |
|  |             | 0         | 0    | 0    | 0    | 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  |    |
|  |             | 4         | 4    | 5    | 0    | 1    | 1    | 1    | 2    | 2    | 2    | 3    | 3    | 3    | 3    | 4    | 4    | 4    | 4    | 0    | 2    | 3        | 3  |    |
|  |             | 8         | 9    | 0    | 3    | 6    | 7    | 8    | 0    | 3    | 6    | 0    | 1    | 4    | 7    | 8    | 0    | 2    | 3    | 7    | 2    | 9        | 6  |    |
| Eye  |             | +         | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +  | 50 |
| Harderian Gland Adenoma                          |             | +         | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 50 |    |
| Harderian Gland Carcinoma                        |             |           |      | X    |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |      | X    |          | 4  |    |
|  |             |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | X        | 3  |    |
| <b>URINARY SYSTEM</b>                            |             |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |    |    |
| Kidney   |             | +         | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +  | 50 |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung |             |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |    | 2  |
| Renal Tubule, Adenoma                            |             |           |      |      |      |      |      |      |      |      |      |      |      |      | X    |      |      |      |      |      |      |          |    | 1  |
| Urinary Bladder                                  |             | +         | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +  | 50 |
| <b>SYSTEMIC LESIONS</b>                          |             |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |    |    |
| Multiple Organ Lymphoma Malignant                |             | +         | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +  | 50 |
|  |             |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | X        |    | 7  |

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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 | 004 | 044 | 055 | 055 | 055 | 066 | 066 | 066 | 066 | 066 | 067 | 077 | 077 | 077 | 077 | 077 | 077 | 077 | 077 | 077 | 077 | 077 |
|------------------------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                              | ANIMAL ID   | 004 | 004 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 |
|                              |             | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |
|                              |             | 7   | 8   | 8   | 9   | 8   | 7   | 5   | 6   | 5   | 6   | 7   | 8   | 5   | 5   | 5   | 5   | 6   | 7   | 8   | 8   | 9   | 9   |
|                              |             | 9   | 2   | 7   | 2   | 8   | 2   | 3   | 3   | 7   | 6   | 8   | 0   | 1   | 2   | 6   | 9   | 1   | 3   | 3   | 4   | 5   | 8   |
|                              |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |

males (cont...)

ALIMENTARY SYSTEM

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus                                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder                                    | + | A | A | M | + | + | A | + | A | M | + | + | + | + | + | + | M | + | + | + | + | + | + |
| Intestine Large, Cecum                         | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon                         | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum Adenoma              | + | + | + | + | + | + | A | A | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum Carcinoma               | + | + | + | + | + | + | A | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum Carcinoma             | + | + | + | + | + | + | A | A | A | A | + | + | + | + | + | X | + | + | + | + | + | + | + |
| Liver  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cholangioma                                    |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hemangiosarcoma                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hepatoblastoma                                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hepatocellular Adenoma                         |   |   |   |   |   | X | X |   |   |   |   |   | X |   |   |   | X |   | X |   | X |   | X |
| Hepatocellular Adenoma, Multiple               |   |   |   |   |   |   |   |   | X |   |   |   |   | X | X |   |   | X |   | X |   | X | X |
| Hepatocellular Carcinoma                       |   |   |   |   |   | X |   | X | X | X |   |   | X | X | X |   | X |   |   |   | X |   | X |
| Hepatocellular Carcinoma, Multiple             |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Leiomyosarcoma, Metastatic, Stomach, Glandular |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mesentery                                      |   | + |   |   |   |   |   |   | + |   |   |   | + |   |   |   |   |   | + |   | + |   |   |

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

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



|                         |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                            |
|-------------------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------------|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST | 0<br>0<br>0<br>4      | 0<br>4<br>5<br>6      | 0<br>4<br>7<br>0      | 0<br>5<br>1<br>8      | 0<br>5<br>4<br>5      | 0<br>5<br>7<br>9      | 0<br>6<br>0<br>4      | 0<br>6<br>8<br>0      | 0<br>6<br>6<br>2      | 0<br>6<br>6<br>7      | 0<br>6<br>7<br>1      | 0<br>7<br>7<br>9      | 0<br>7<br>7<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      | 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>7<br>9 | 0<br>0<br>1<br>8<br>2 | 0<br>0<br>1<br>8<br>7 | 0<br>0<br>1<br>8<br>2 | 0<br>0<br>1<br>7<br>3 | 0<br>0<br>1<br>5<br>3 | 0<br>0<br>1<br>6<br>3 | 0<br>0<br>1<br>5<br>7 | 0<br>0<br>1<br>6<br>6 | 0<br>0<br>1<br>6<br>6 | 0<br>0<br>1<br>7<br>8 | 0<br>0<br>1<br>8<br>5 | 0<br>0<br>1<br>5<br>5 | 0<br>0<br>1<br>5<br>5 | 0<br>0<br>1<br>5<br>6 | 0<br>0<br>1<br>6<br>7 | 0<br>0<br>1<br>8<br>8 | 0<br>0<br>1<br>8<br>9 | 0<br>0<br>1<br>9<br>9 | 0<br>0<br>1<br>9<br>9 | 0<br>0<br>1<br>9<br>9 | 0<br>0<br>1<br>9<br>5 | 0<br>0<br>1<br>9<br>4 |                            |

Hemangioma  
Leiomyosarcoma, Metastatic, Stomach, Glandular X

Pancreas  
Hepatoblastoma, Metastatic, Liver  
Leiomyosarcoma, Metastatic, Stomach, Glandular X

Salivary Glands +

Stomach, Forestomach  
Squamous Cell Carcinoma X  
Squamous Cell Papilloma X

Stomach, Glandular  
Leiomyosarcoma X  
Mast Cell Tumor Malignant X  
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach X

Tongue

**CARDIOVASCULAR SYSTEM**

Heart  
Hepatoblastoma, Metastatic, Liver  
Schwannoma Malignant X

**ENDOCRINE SYSTEM**

Adrenal Cortex  
Leiomyosarcoma, Metastatic, Stomach, Glandular X

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Subcapsular, Adenoma

X X X X

Adrenal Medulla

+ +

Islets, Pancreatic  
Adenoma

+  
X

Parathyroid Gland

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

Pituitary Gland

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

Thyroid Gland  
Follicular Cell, Adenoma

+ M +

GENERAL BODY SYSTEM

Tissue NOS

GENITAL SYSTEM

Epididymis

+ +

Penis

+

Preputial Gland

+ +

Prostate

+ +

Seminal Vesicle  
Leiomyosarcoma, Metastatic, Stomach,  
Glandular

+  
X

Testes

+ +

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

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

| B6C3F1 MICE MALE<br>12 MG/KG | DAY ON TEST |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | ANIMAL ID | males<br>(cont...) |
|------------------------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|--------------------|
|                              | 004         | 044 | 045 | 055 | 055 | 056 | 066 | 066 | 066 | 066 | 067 | 077 | 077 | 077 | 077 | 077 | 077 | 077 | 077 | 077 | 077 | 077 | 077 | 077 |           |                    |
|                              | 0           | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0         |                    |
|                              | 4           | 6   | 0   | 8   | 5   | 9   | 4   | 8   | 9   | 2   | 7   | 1   | 9   | 9   | 9   | 9   | 9   | 9   | 9   | 9   | 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         |                    |
|                              | 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         |                    |
|                              | 7           | 8   | 8   | 9   | 8   | 7   | 5   | 6   | 5   | 6   | 6   | 7   | 8   | 5   | 5   | 5   | 5   | 6   | 7   | 8   | 8   | 9   | 9   | 5   | 5         |                    |
|                              | 9           | 2   | 7   | 2   | 8   | 2   | 3   | 3   | 7   | 6   | 8   | 0   | 0   | 1   | 2   | 6   | 9   | 1   | 3   | 3   | 4   | 5   | 7   | 4   | 8         |                    |

**HEMATOPOIETIC SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemangiosarcoma   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymph Node  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hepatoblastoma, Metastatic, Liver                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mediastinal, Hepatoblastoma, Metastatic, Liver            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymph Node, Mandibular                                    | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node, Mesenteric                                    | + | + | + | + | + | + | A | + | + | + | M | + | + | + | + | + | + | + | + | + | M | + | + | + | + |
| Leiomyosarcoma, Metastatic, Stomach, Glandular            |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Spleen  | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Thymus  | + | I | + | M | + | + | + | + | I | + | M | I | + | + | + | + | + | + | + | + | + | + | + | M | + |

**INTEGUMENTARY SYSTEM**

|                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skin                                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Subcutaneous Tissue, Fibroma         |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Subcutaneous Tissue, Hemangiosarcoma |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**MUSCULOSKELETAL SYSTEM**

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

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

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

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

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

alpha/beta Thujone mixture  
 CAS Number: THUJONEMIXAB

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

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

Skeletal Muscle  
 Hepatoblastoma, Metastatic, Liver

**NERVOUS SYSTEM**

Brain +

**RESPIRATORY SYSTEM**

Lung +  
 Alveolar/Bronchiolar Adenoma X X X  
 Alveolar/Bronchiolar Carcinoma X  
 Alveolar/Bronchiolar Carcinoma, Multiple X  
 Hepatoblastoma, Metastatic, Liver X  
 Hepatocellular Carcinoma, Metastatic, Liver X  
 Schwannoma Malignant, Metastatic, Heart X

Nose +

Trachea +

**SPECIAL SENSES SYSTEM**

Eye +

Harderian Gland +  
 Adenoma  
 Carcinoma X

**URINARY SYSTEM**

Kidney +

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

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

TDMS No. 99037 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
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**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

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 | 0 | 0 | 0 | 0 |
|                         |             | 0 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
|                         |             | 0 | 5 | 7 | 1 | 4 | 7 | 0 | 0 | 1 | 5 | 7 | 9 | 0 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
|                         |             | 4 | 6 | 0 | 8 | 5 | 9 | 4 | 8 | 9 | 2 | 7 | 1 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 |
| <b>12 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 |
|                         |             | 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 |
|                         |             | 7 | 8 | 8 | 9 | 8 | 7 | 5 | 6 | 5 | 6 | 6 | 7 | 8 | 5 | 5 | 5 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 5 | 5 | 5 |
|                         |             | 2 | 7 | 2 | 8 | 2 | 3 | 3 | 7 | 6 | 8 | 0 | 0 | 1 | 2 | 6 | 9 | 1 | 3 | 3 | 4 | 5 | 7 | 4 | 8 | 8 |   |
| <b>males (cont...)</b>  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

Hepatoblastoma, Metastatic, Liver

Urinary Bladder

+ +

**SYSTEMIC LESIONS**

Multiple Organ  
 Lymphoma Malignant

+ +

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

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



| B6C3F1 MICE MALE  | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |    | * TOTALS |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----|----------|
|   | 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>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>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>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      |    |          |
| 12 MG/KG  | ANIMAL ID             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |    |          |
|   | 0<br>0<br>1<br>6<br>0 | 0<br>0<br>1<br>6<br>0 | 0<br>0<br>1<br>6<br>0 | 0<br>0<br>1<br>6<br>0 | 0<br>0<br>1<br>6<br>0 | 0<br>0<br>1<br>6<br>0 | 0<br>0<br>1<br>6<br>0 | 0<br>0<br>1<br>6<br>0 | 0<br>0<br>1<br>6<br>0 | 0<br>0<br>1<br>6<br>0 | 0<br>0<br>1<br>6<br>0 | 0<br>0<br>1<br>6<br>0 | 0<br>0<br>1<br>6<br>0 | 0<br>0<br>1<br>6<br>0 | 0<br>0<br>1<br>6<br>0 | 0<br>0<br>1<br>6<br>0 | 0<br>0<br>1<br>6<br>0 | 0<br>0<br>1<br>6<br>0 | 0<br>0<br>1<br>6<br>0 | 0<br>0<br>1<br>6<br>0 | 0<br>0<br>1<br>6<br>0 | 0<br>0<br>1<br>6<br>0 | 0<br>0<br>1<br>6<br>0 |    |          |
| Hemangioma  |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1  |          |
| Leiomyosarcoma, Metastatic, Stomach, Glandular            |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1  |          |
| Pancreas  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50 |          |
| Hepatoblastoma, Metastatic, Liver                         |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       | 1  |          |
| Leiomyosarcoma, Metastatic, Stomach, Glandular            |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1  |          |
| Salivary Glands   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50 |          |
| Stomach, Forestomach                                      | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50 |          |
| Squamous Cell Carcinoma                                   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1  |          |
| Squamous Cell Papilloma                                   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1  |          |
| Stomach, Glandular  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 49 |          |
| Leiomyosarcoma  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1  |          |
| Mast Cell Tumor Malignant                                 |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1  |          |
| Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1  |          |
| Tongue  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | +                     |                       | 1  |          |
| <b>CARDIOVASCULAR SYSTEM</b>                              |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |    |          |
| Heart   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50 |          |
| Hepatoblastoma, Metastatic, Liver                         |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       | 1  |          |
| Schwannoma Malignant                                      |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1  |          |
| <b>ENDOCRINE SYSTEM</b>                                   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |    |          |
| Adrenal Cortex  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50 |          |
| Leiomyosarcoma, Metastatic, Stomach, Glandular            |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1  |          |

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

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











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

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

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 |   |
|------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                  |             | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 25 MG/KG         | ANIMAL ID   | 1 | 3 | 3 | 7 | 8 | 9 | 9 | 0 | 1 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 7 | 7 |
|                  |             | 7 | 5 | 6 | 1 | 3 | 0 | 1 | 6 | 2 | 0 | 1 | 5 | 2 | 3 | 9 | 9 | 9 | 1 | 9 | 0 | 3 | 3 | 8 | 4 |
|                  |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                  |             | 0 | 0 | 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 | 2 | 3 | 0 | 2 | 4 | 2 | 1 | 2 | 3 | 4 | 3 | 3 | 0 | 0 | 3 | 1 | 2 | 1 | 3 | 4 | 0 | 1 |
|                  |             | 6 | 2 | 4 | 0 | 1 | 0 | 9 | 7 | 8 | 3 | 4 | 2 | 8 | 9 | 3 | 8 | 3 | 3 | 5 | 6 | 5 | 5 | 7 | 9 |
|                  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

males  
(cont...)

**ALIMENTARY SYSTEM**

|                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder                        | + | + | + | + | + | + | A | + | + | + | + | + | + | + | M | M | + | + | + | + | + | + | + | M |
| Intestine Large, Cecum             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum          | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum           | + | + | + | A | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A | + | A |
| Liver                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hepatocellular Adenoma             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hepatocellular Adenoma, Multiple   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hepatocellular Carcinoma           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hepatocellular Carcinoma, Multiple |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mesentery                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Pancreas                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Salivary Glands                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Forestomach               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Squamous Cell Papilloma            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

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

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















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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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 | 0 | 0 | 0 | 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 |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----------|
|   | 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  |          |
| Lung  |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |          |
| Alveolar/Bronchiolar Adenoma                |             |   |   |   |   |   |   |   |   |   |   | X | X | X | X |   |   |   |   |   |   |   |   |   |   |   | X | 6  |          |
| Alveolar/Bronchiolar Carcinoma              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X | 1  |          |
| Alveolar/Bronchiolar Carcinoma, Multiple    |             |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   | 2  |          |
| Hepatocellular Carcinoma, Metastatic, Liver |             |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |          |
| Nose  |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |          |
| Trachea                                     |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |          |
| <b>SPECIAL SENSES SYSTEM</b>                |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |          |
| Eye   |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |          |
| Harderian Gland<br>Adenoma                  |             | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + |   |   |   |   |   |   | 49 |          |
| <b>URINARY SYSTEM</b>                       |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |          |
| Kidney                                      |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |          |
| Urinary Bladder                             |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |          |
| <b>SYSTEMIC LESIONS</b>                     |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |          |
| Multiple Organ                              |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |          |

\*\*\* END OF MALE DATA \*\*\*

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

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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...) |
|--------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|----------------------|
|                    | 0095        | 0014 | 0024 | 0039 | 0052 | 0058 | 0066 | 0066 | 0066 | 0066 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 |           |                      |
| 0 MG/KG            | 00          | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   |           |                      |
|                    | 25          | 44   | 49   | 69   | 69   | 00   | 88   | 22   | 77   | 00   | 66   | 77   | 22   | 11   | 22   | 33   | 44   | 55   | 66   | 77   | 88   | 11   | 33   | 55   |           |                      |

ALIMENTARY SYSTEM

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder                            | + | + | A | + | + | A | A | + | + | A | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum                 | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon                 | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum                | + | + | + | + | + | + | + | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum              | + | + | A | + | + | M | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum                 | + | + | A | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum               | + | + | A | + | + | + | + | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + |
| Liver                                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemangiosarcoma                        |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |
| Hepatocellular Adenoma                 |   |   |   |   |   |   |   |   |   |   |   |   | X |   | X | X |   | X |   | X |   |   |   |
| Hepatocellular Adenoma, Multiple       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   | X |   |   |   | X |   |
| Hepatocellular Carcinoma               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |
| Hepatocellular Carcinoma, Multiple     |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |
| Plasma Cell Tumor Malignant            |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mesentery                              |   |   |   |   |   |   |   |   |   |   |   |   | + |   | + |   | + |   |   |   |   | + | + |
| Schwannoma Malignant, Metastatic, Skin |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |
| Pancreas                               | + | + | A | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + |
| Salivary Glands                        | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + |

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

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

| B6C3F1 MICE FEMALE<br>0 MG/KG                            | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ANIMAL ID | females<br>(cont...) |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|----------------------|
|  | 0095        | 0142 | 0244 | 0329 | 0436 | 0554 | 0655 | 0766 | 0866 | 0966 | 1066 | 1166 | 1266 | 1367 | 1477 | 1577 | 1677 | 1777 | 1877 | 1977 | 2077 | 2177 | 2277 | 2377 | 2477 |           |                      |
| Stomach, Forestomach                                     | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         |                      |
| Stomach, Glandular                                       | +           | +    | A    | +    | +    | +    | +    | +    | +    | +    | +    | A    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         |                      |
| <b>CARDIOVASCULAR SYSTEM</b>                             |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                      |
| Heart  | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         |                      |
| <b>ENDOCRINE SYSTEM</b>                                  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                      |
| Adrenal Cortex<br>Adenoma<br>Plasma Cell Tumor Malignant | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         |                      |
|  |             |      |      |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                      |
| Adrenal Medulla  | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         |                      |
| Islets, Pancreatic<br>Adenoma                            | +           | +    | A    | +    | +    | +    | +    | +    | +    | +    | +    | A    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         |                      |
| Parathyroid Gland  | +           | +    | +    | +    | +    | M    | M    | +    | +    | +    | +    | M    | +    | +    | +    | +    | +    | +    | +    | +    | M    | +    | +    | +    | +    | +         |                      |
| Pituitary Gland<br>Pars Distalis, Adenoma                | +           | M    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         |                      |
|  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                      |
| Thyroid Gland  | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         |                      |
| <b>GENERAL BODY SYSTEM</b>                               |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                      |
| Tissue NOS<br>Plasma Cell Tumor Malignant                |             |      |      |      |      |      |      | +    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                      |
|  |             |      |      |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                      |
| <b>GENITAL SYSTEM</b>                                    |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                      |

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

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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...) |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|----------------------|
|  | 0095        | 0014 | 0024 | 0029 | 0032 | 0035 | 0035 | 0036 | 0036 | 0036 | 0036 | 0037 | 0037 | 0037 | 0037 | 0037 | 0037 | 0037 | 0037 | 0037 | 0037 | 0037 | 0037 | 0037 | 0037 |           |                      |
| Clitoral Gland                           | +           | +    | +    | +    | M    | +    | +    | +    | +    | +    | +    | +    | M    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |           |                      |
| Ovary                                    | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | A    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |           |                      |
| Choriocarcinoma                          |             |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                      |
| Cystadenoma                              |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | X    |      |      |      |      |           |                      |
| Plasma Cell Tumor Malignant              |             |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                      |
| Uterus                                   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |           |                      |
| Polyp Stromal                            |             |      |      |      |      |      |      |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                      |
| <b>HEMATOPOIETIC SYSTEM</b>              |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                      |
| Bone Marrow                              | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |           |                      |
| Hemangiosarcoma                          |             |      |      |      |      |      |      |      |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |           |                      |
| Plasma Cell Tumor Malignant              |             |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                      |
| Lymph Node                               |             |      |      |      |      | +    |      |      |      |      |      |      | +    |      |      |      |      |      |      |      |      |      |      |      |      |           |                      |
| Plasma Cell Tumor Malignant              |             |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                      |
| Mediastinal, Plasma Cell Tumor Malignant |             |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                      |
| Lymph Node, Mandibular                   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | M    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |           |                      |
| Plasma Cell Tumor Malignant              |             |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                      |
| Lymph Node, Mesenteric                   | +           | +    | M    | +    | +    | +    | +    | I    | +    | +    | +    | +    | A    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |           |                      |
| Plasma Cell Tumor Malignant              |             |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                      |
| Spleen                                   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |           |                      |
| Hemangiosarcoma                          |             |      |      |      |      |      |      |      |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |           |                      |
| Plasma Cell Tumor Malignant              |             |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                      |
| Thymus                                   | +           | +    | +    | +    | +    | A    | +    | +    | +    | M    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |           |                      |

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

M .. Missing tissue  
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TDMS No. 99037 - 06  
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 Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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...) |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|----------------------|
|   | 0095        | 0014 | 0024 | 0026 | 0032 | 0035 | 0045 | 0046 | 0056 | 0058 | 0066 | 0068 | 0076 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 |           |                      |
| Nose  | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |           |                      |
| Trachea   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |           |                      |
| <b>SPECIAL SENSES SYSTEM</b>                                |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                      |
| Eye   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |      |           |                      |
| Harderian Gland<br>Adenoma<br>Carcinoma                     | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | X    | +    | +    | +    | +    | +    | +    | +    |           |                      |
| <b>URINARY SYSTEM</b>                                       |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                      |
| Kidney<br>Plasma Cell Tumor Malignant                       | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |           |                      |
| Urinary Bladder<br>Plasma Cell Tumor Malignant              | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |           |                      |
| <b>SYSTEMIC LESIONS</b>                                     |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                      |
| Multiple Organ<br>Histiocytic Sarcoma<br>Lymphoma Malignant | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |           |                      |

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

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



TDMS No. 99037 - 06  
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P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)  
 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 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |      |
|--------------------|-------------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|
|                    |             | 0732      | 0733 | 0732 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 |          | 0733 |
| 0 MG/KG            |             | 0         | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0        | 0    |
|                    |             | 0         | 0    | 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        | 3    |
|                    |             | 8         | 8    | 8    | 5    | 5    | 5    | 6    | 6    | 6    | 6    | 6    | 6    | 7    | 7    | 7    | 7    | 8    | 8    | 8    | 8    | 8        | 9    |
|                    |             | 7         | 8    | 9    | 1    | 3    | 5    | 1    | 2    | 3    | 4    | 5    | 8    | 0    | 6    | 7    | 8    | 9    | 0    | 1    | 2    | 3        | 4    |

ALIMENTARY SYSTEM

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Gallbladder                            | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 43 |
| Intestine Large, Cecum                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Intestine Large, Colon                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Large, Rectum                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Small, Duodenum              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Intestine Small, Ileum                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Intestine Small, Jejunum               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Liver                                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hemangiosarcoma                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Hepatocellular Adenoma                 |   | X |   |   |   | X |   |   |   | X |   | X |   |   |   |   |   |   |   |   | X |   |   | 10 |
| Hepatocellular Adenoma, Multiple       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3  |
| Hepatocellular Carcinoma               |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Hepatocellular Carcinoma, Multiple     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Plasma Cell Tumor Malignant            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Mesentery                              |   |   |   |   | + |   |   |   | + |   | + |   |   |   |   |   |   |   |   |   | + |   |   | 10 |
| Schwannoma Malignant, Metastatic, Skin |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Pancreas                               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Salivary Glands                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |

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

M .. Missing tissue  
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 alpha/beta Thujone mixture  
 CAS Number: THUJONEMIXAB

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

| B6C3F1 MICE FEMALE<br>0 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>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 |          |    |
| 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        |    |
|                                      | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 3        |    |
|                                      | 8                | 8                | 8                | 5                | 5                | 5                | 6                | 6                | 6                | 6                | 6                | 7                | 7                | 7                | 7                | 7                | 8                | 8                | 8                | 8                | 8                | 8                | 9        | 0  |
| <b>STOMACH, FORESTOMACH</b>          |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          | 50 |
| <b>STOMACH, GLANDULAR</b>            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          | 48 |
| <b>CARDIOVASCULAR SYSTEM</b>         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |    |
| <b>Heart</b>                         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          | 50 |
| <b>ENDOCRINE SYSTEM</b>              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |    |
| <b>Adrenal Cortex</b>                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          | 50 |
| <b>  Adenoma</b>                     |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          | 1  |
| <b>  Plasma Cell Tumor Malignant</b> |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          | 1  |
| <b>Adrenal Medulla</b>               |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          | 50 |
| <b>Islets, Pancreatic</b>            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          | 48 |
| <b>  Adenoma</b>                     |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          | 1  |
| <b>Parathyroid Gland</b>             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          | 45 |
| <b>Pituitary Gland</b>               |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          | 49 |
| <b>  Pars Distalis, Adenoma</b>      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          | 2  |
| <b>Thyroid Gland</b>                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          | 50 |
| <b>GENERAL BODY SYSTEM</b>           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |    |
| <b>Tissue NOS</b>                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          | 1  |
| <b>  Plasma Cell Tumor Malignant</b> |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          | 1  |
| <b>GENITAL SYSTEM</b>                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |    |

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

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

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

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

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 |      |
|--|-------------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|
|  |             | 0732      | 0733 | 0732 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 |          | 0733 |
| Clitoral Gland                           |             | +         | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 48   |
| Ovary                                    |             | +         | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | M    | +    | +    | +    | +    | +    | +    | +        | 48   |
| Choriocarcinoma                          |             |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1    |
| Cystadenoma                              |             |           |      |      |      |      |      |      |      |      |      |      |      | X    |      |      |      |      |      |      |      |          | 2    |
| Plasma Cell Tumor Malignant              |             |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1    |
| Uterus                                   |             | +         | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 50   |
| Polyp Stromal                            |             |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1    |
| <b>HEMATOPOIETIC SYSTEM</b>              |             |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |
| Bone Marrow                              |             | +         | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 50   |
| Hemangiosarcoma                          |             |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1    |
| Plasma Cell Tumor Malignant              |             |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1    |
| Lymph Node                               |             |           |      |      |      |      |      |      |      |      |      |      | +    |      | +    |      |      |      |      |      |      | +        | 6    |
| Plasma Cell Tumor Malignant              |             |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1    |
| Mediastinal, Plasma Cell Tumor Malignant |             |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1    |
| Lymph Node, Mandibular                   |             | +         | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | M    | +    | +    | +    | +    | +    | +    | +    | +        | 48   |
| Plasma Cell Tumor Malignant              |             |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1    |
| Lymph Node, Mesenteric                   |             | I         | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 46   |
| Plasma Cell Tumor Malignant              |             |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1    |
| Spleen                                   |             | +         | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 50   |
| Hemangiosarcoma                          |             |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1    |
| Plasma Cell Tumor Malignant              |             |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1    |
| Thymus                                   |             | +         | +    | +    | +    | +    | +    | M    | +    | +    | I    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 46   |

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

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



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

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

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 |      |      |      |      |  |
|-------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|------|------|--|
|                               | 0732        | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 |          | 0732 |      |      |      |  |
| ANIMAL ID                     | 0087        | 0088 | 0089 | 0085 | 0083 | 0085 | 0081 | 0082 | 0083 | 0084 | 0085 | 0088 | 0080 | 0086 | 0087 | 0088 | 0089 | 0080 | 0081 | 0082 | 0083     | 0084 | 0085 | 0086 | 0080 |  |
| Nose                          | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | 50   |  |
| Trachea                       | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | 50   |  |
| <b>SPECIAL SENSES SYSTEM</b>  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |  |
| Eye                           | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | 50   |  |
| Harderian Gland               | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | 50   |  |
| Adenoma                       |             | X    |      |      |      |      | X    |      |      |      |      |      |      |      | X    |      |      |      |      | X    |          |      |      | 5    |      |  |
| Carcinoma                     |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      | 1    |  |
| <b>URINARY SYSTEM</b>         |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |  |
| Kidney                        | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | 50   |  |
| Plasma Cell Tumor Malignant   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      | 1    |  |
| Urinary Bladder               | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | 50   |  |
| Plasma Cell Tumor Malignant   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      | 1    |  |
| <b>SYSTEMIC LESIONS</b>       |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |  |
| Multiple Organ                | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | 50   |  |
| Histiocytic Sarcoma           |             |      |      |      |      |      |      |      |      |      |      |      |      |      | X    |      |      |      |      |      |          |      |      |      | 2    |  |
| Lymphoma Malignant            |             |      |      | X    |      |      |      |      | X    | X    |      |      |      |      |      |      |      |      |      |      |          |      | X    |      | 6    |  |

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

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)  
 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                           |             | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 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 |
| <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 | 0                    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
|                           |             | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3                    | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
|                           |             | 1 | 2 | 1 | 2 | 4 | 3 | 3 | 0 | 4 | 4 | 4 | 0 | 4 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1                    | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |
|                           |             | 7 | 3 | 0 | 4 | 7 | 1 | 3 | 9 | 3 | 5 | 4 | 3 | 1 | 1 | 8 | 6 | 1 | 2 | 4 | 1 | 2 | 3 | 4 | 5 | 6 |   |   |   |                      |   |   |   |   |   |   |   |   |   |
|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | females<br>(cont...) |   |   |   |   |   |   |   |   |   |

**ALIMENTARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus                                   | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |   |
| Gallbladder                                 | A | I | A | + | A | A | I | + | A | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |   |
| Intestine Large, Cecum                      | + | I | + | + | + | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Large, Colon                      | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Large, Rectum                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Small, Duodenum<br>Leiomyosarcoma | A | + | + | + | + | + | A | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Small, Ileum                      | + | + | + | + | + | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Small, Jejunum<br>Leiomyosarcoma  | + | + | + | + | + | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver                                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Hepatocellular Adenoma                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hepatocellular Adenoma, Multiple            |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hepatocellular Carcinoma                    |   |   |   |   |   |   | X |   |   |   |   | X |   |   |   |   |   |   |   | X |   |   |   | X |   | X |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mesentery                                   |   |   |   |   |   |   |   |   | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |   |
| Pancreas                                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Sarcoma, Metastatic, Skin                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Salivary Glands                             | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

| B6C3F1 MICE FEMALE<br>3 MG/KG              | DAY ON TEST | ANIMAL ID |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | females<br>(cont...) |
|--|-------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------|
|  |             | 00317     | 00333 | 00340 | 00345 | 00351 | 00356 | 00362 | 00367 | 00373 | 00378 | 00384 | 00389 | 00395 | 00401 | 00406 | 00412 | 00417 | 00423 | 00428 | 00434 | 00439 | 00445 | 00450 | 00456 |                      |
| Stomach, Forestomach                       |             | +         | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     |                      |
| Stomach, Glandular                         |             | +         | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     |                      |
| <b>CARDIOVASCULAR SYSTEM</b>               |             |           |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                      |
| Heart                                      |             | +         | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     |                      |
| <b>ENDOCRINE SYSTEM</b>                    |             |           |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                      |
| Adrenal Cortex                             |             | +         | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     |                      |
| Adrenal Medulla<br>Pheochromocytoma Benign |             | +         | +     | +     | I     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     |                      |
| Islets, Pancreatic<br>Adenoma              |             | +         | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     |                      |
| Parathyroid Gland                          |             | +         | +     | +     | M     | +     | M     | +     | +     | +     | M     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     |                      |
| Pituitary Gland<br>Pars Distalis, Adenoma  |             | +         | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | M     | +                    |
| Thyroid Gland                              |             | +         | +     | +     | +     | +     | M     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     |                      |
| <b>GENERAL BODY SYSTEM</b>                 |             |           |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                      |
| NONE                                       |             |           |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                      |
| <b>GENITAL SYSTEM</b>                      |             |           |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                      |
| Clitoral Gland                             |             | +         | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     |                      |

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

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ovary<br>Granulosa Cell Tumor Benign                         | + | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + |
| Uterus<br>Leiomyosarcoma<br>Polyp Stromal<br>Sarcoma Stromal | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

HEMATOPOIETIC SYSTEM

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node<br>Bronchial, Alveolar/Bronchiolar Carcinoma,<br>Metastatic, Lung |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |   |   |   |   |   |   |   |   |   |   |
| Lymph Node, Mandibular   | + | + | + | + | + | + | + | + | + | M | + | + | + | M | + | + | + | + | + | + | + | + | + | M | + |
| Lymph Node, Mesenteric   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spleen   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Thymus   | + | + | + | + | M | + | + | + | M | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + |

INTEGUMENTARY SYSTEM

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland<br>Carcinoma   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skin<br>Leiomyosarcoma, Metastatic, Intestine Small,<br>Jejunum<br>Subcutaneous Tissue, Fibrosarcoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

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



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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Subcutaneous Tissue, Sarcoma

X

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

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

RESPIRATORY SYSTEM

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

SPECIAL SENSES SYSTEM

|                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Carcinoma       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

URINARY SYSTEM

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

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





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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * TOTALS |  |
|-------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|--|
|                               | ANIMAL ID   | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |          |  |
|                               |             | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |          |  |
|                               |             | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |          |  |
|                               |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 |          |  |
|                               |             | 1 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 0 | 0 | 0 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |          |  |
|                               |             | 9 | 0 | 6 | 7 | 8 | 9 | 0 | 2 | 6 | 8 | 9 | 0 | 6 | 7 | 8 | 2 | 5 | 7 | 8 | 9 | 0 | 2 | 4 | 5        |  |

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Stomach, Glandular   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |

CARDIOVASCULAR SYSTEM

|       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

ENDOCRINE SYSTEM

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |         |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|
| Adrenal Cortex                             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49      |
| Adrenal Medulla<br>Pheochromocytoma Benign | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47<br>1 |
| Islets, Pancreatic<br>Adenoma              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49<br>1 |
| Parathyroid Gland                          | + | + | + | + | + | + | + | + | + | + | + | + | M | + | M | + | + | + | + | M | M | + | + | + | 42      |
| Pituitary Gland<br>Pars Distalis, Adenoma  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48<br>3 |
| Thyroid Gland                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48      |

GENERAL BODY SYSTEM

|      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| NONE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

GENITAL SYSTEM

|                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Clitoral Gland | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | 46 |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

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

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

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

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

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>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      | 0<br>7<br>3<br>2      |                       |                       |
| ANIMAL ID  | 0<br>0<br>3<br>1<br>9 | 0<br>0<br>3<br>2<br>0 | 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>2 | 0<br>0<br>3<br>4<br>6 | 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 | 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>2<br>2 | 0<br>0<br>3<br>2<br>5 | 0<br>0<br>3<br>2<br>7 | 0<br>0<br>3<br>2<br>8 | 0<br>0<br>3<br>3<br>9 | 0<br>0<br>3<br>3<br>0 | 0<br>0<br>3<br>3<br>2 | 0<br>0<br>3<br>3<br>4 | 0<br>0<br>3<br>3<br>5 |
| Ovary<br>Granulosa Cell Tumor Benign   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 47<br>1               |
| Uterus<br>Leiomyosarcoma<br>Polyp Stromal<br>Sarcoma Stromal   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 49<br>1<br>1<br>1     |
| <b>HEMATOPOIETIC SYSTEM</b>  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Bone Marrow  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 49                    |
| Lymph Node<br>Bronchial, Alveolar/Bronchiolar Carcinoma,<br>Metastatic, Lung                         |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 3<br>1                |
| Lymph Node, Mandibular   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 46                    |
| Lymph Node, Mesenteric   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 49                    |
| Spleen   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 49                    |
| Thymus   | +                     | +                     | +                     | M                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 45                    |
| <b>INTEGUMENTARY SYSTEM</b>  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Mammary Gland<br>Carcinoma   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 49<br>1               |
| Skin<br>Leiomyosarcoma, Metastatic, Intestine Small,<br>Jejunum<br>Subcutaneous Tissue, Fibrosarcoma | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 49<br>1<br>4          |

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

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

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

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

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 |                 |  |
| 3                              | 7           | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |                 |  |
| 2                              | 3           | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |                 |  |
| 3                              | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 |                 |  |
| 9                              | 3           | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |                 |  |
|                                | 2           | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 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 |                 |  |
|                                | 3           | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |                 |  |
|                                | 1           | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 0 | 0 | 0 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |                 |  |
|                                | 9           | 0 | 6 | 7 | 8 | 9 | 0 | 2 | 6 | 8 | 9 | 0 | 6 | 7 | 8 | 2 | 5 | 7 | 8 | 9 | 0 | 2 | 4 | 5               |  |
|                                |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>* TOTALS</b> |  |
| Subcutaneous Tissue, Sarcoma   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>        |  |
| <b>MUSCULOSKELETAL SYSTEM</b>  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |  |
| Bone                           | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>49</b>       |  |
| Skeletal Muscle                |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>2</b>        |  |
| Sarcoma                        |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>2</b>        |  |
| <b>NERVOUS SYSTEM</b>          |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |  |
| Brain                          | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>49</b>       |  |
| <b>RESPIRATORY SYSTEM</b>      |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |  |
| Lung                           | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>49</b>       |  |
| Alveolar/Bronchiolar Adenoma   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>4</b>        |  |
| Alveolar/Bronchiolar Carcinoma |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>3</b>        |  |
| Nose                           | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>49</b>       |  |
| Trachea                        | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>49</b>       |  |
| <b>SPECIAL SENSES SYSTEM</b>   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |  |
| Eye                            | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>49</b>       |  |
| Harderian Gland                | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>49</b>       |  |
| Adenoma                        |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>        |  |
| Carcinoma                      |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>2</b>        |  |
| <b>URINARY SYSTEM</b>          |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |  |

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

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

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

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 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 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |      |
|--------------------|-------------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|
|                    |             | 0732      | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 |          | 0732 |
| 3 MG/KG            |             | 0         | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0        |      |
|                    |             | 7         | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7        |      |
|                    |             | 3         | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3        |      |
|                    |             | 2         | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3        |      |
|                    |             | 0         | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0        |      |
|                    |             | 0         | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0        |      |
|                    |             | 3         | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3        |      |
|                    |             | 1         | 2    | 3    | 3    | 3    | 3    | 4    | 4    | 4    | 4    | 4    | 5    | 0    | 0    | 0    | 2    | 2    | 2    | 2    | 3    | 3        |      |
|                    |             | 9         | 0    | 6    | 7    | 8    | 9    | 0    | 2    | 6    | 8    | 9    | 0    | 6    | 7    | 8    | 2    | 5    | 7    | 8    | 9    | 0        |      |

|                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Kidney          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |

**SYSTEMIC LESIONS**

|                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Multiple Organ      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Histiocytic Sarcoma |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Lymphoma Malignant  |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   | X | X | X |   |   | 9  |

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

M .. Missing tissue  
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 BLANK .. Not examined microscopically





TDMS No. 99037 - 06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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 |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | females<br>(cont...) |
|---|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------------------|
|   | ANIMAL ID   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |                      |
|   | 0483        | 06683  | 066124 | 066348 | 066582 | 066891 | 066938 | 066931 | 066931 | 066931 | 066931 | 066931 | 066931 | 066931 | 066931 | 066931 | 066931 | 066931 | 066931 | 066931 | 066931 | 066931 | 066931 | 066931 |                      |
|   | 000358      | 000333 | 000333 | 000333 | 000333 | 000333 | 000333 | 000333 | 000333 | 000333 | 000333 | 000333 | 000333 | 000333 | 000333 | 000333 | 000333 | 000333 | 000333 | 000333 | 000333 | 000333 | 000333 | 000333 |                      |
| Hemangioma  |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | X      |                      |
| Stomach, Glandular  | A           | +      | +      | A      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      |                      |
| <b>CARDIOVASCULAR SYSTEM</b>  |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |                      |
| Heart   | +           | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      |                      |
| <b>ENDOCRINE SYSTEM</b>   |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |                      |
| Adrenal Cortex  | +           | +      | +      | A      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      |                      |
| Adrenal Medulla<br>Pheochromocytoma Benign                            | +           | M      | +      | A      | +      | +      | +      | +      | M      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      |                      |
| Islets, Pancreatic  | +           | +      | +      | A      | +      | +      | A      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      |                      |
| Parathyroid Gland   | +           | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | M      | +      | +      | +      | +      | +      | +      | +      | +      | M      |                      |
| Pituitary Gland<br>Pars Distalis, Adenoma<br>Pars Intermedia, Adenoma | +           | +      | +      | M      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | I      | +      | +      | +      | +      |                      |
| Thyroid Gland<br>Follicular Cell, Adenoma                             | +           | +      | +      | A      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | X      |                      |
| <b>GENERAL BODY SYSTEM</b>  |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |                      |
| NONE  |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |                      |
| <b>GENITAL SYSTEM</b>   |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |                      |
| Clitoral Gland  | M           | +      | +      | M      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      |                      |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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M .. Missing tissue  
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TDMS No. 99037 - 06  
 Test Type: CHRONIC  
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**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 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<br>6 MG/KG        | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | females<br>(cont...) |
|--------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|
|                                      | 0<br>4<br>8<br>3      | 0<br>6<br>0<br>9      | 0<br>6<br>1<br>7      | 0<br>6<br>2<br>4      | 0<br>6<br>3<br>8      | 0<br>6<br>4<br>6      | 0<br>6<br>5<br>2      | 0<br>6<br>8<br>2      | 0<br>6<br>9<br>1      | 0<br>6<br>9<br>8      | 0<br>7<br>3<br>1      | 0<br>7<br>3<br>1      | 0<br>7<br>3<br>1      | 0<br>7<br>3<br>1      | 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>3<br>5<br>5 | 0<br>0<br>3<br>8<br>8 | 0<br>0<br>3<br>9<br>3 | 0<br>0<br>3<br>8<br>4 | 0<br>0<br>3<br>8<br>3 | 0<br>0<br>3<br>6<br>2 | 0<br>0<br>3<br>7<br>8 | 0<br>0<br>3<br>5<br>8 | 0<br>0<br>3<br>6<br>7 | 0<br>0<br>3<br>5<br>6 | 0<br>0<br>3<br>7<br>6 | 0<br>0<br>3<br>6<br>6 | 0<br>0<br>3<br>6<br>6 | 0<br>0<br>3<br>7<br>6 | 0<br>0<br>3<br>5<br>5 | 0<br>0<br>3<br>5<br>5 | 0<br>0<br>3<br>5<br>5 | 0<br>0<br>3<br>6<br>6 | 0<br>0<br>3<br>6<br>6 | 0<br>0<br>3<br>6<br>6 | 0<br>0<br>3<br>7<br>7 | 0<br>0<br>3<br>7<br>7 | 0<br>0<br>3<br>7<br>9 | 0<br>0<br>3<br>7<br>9 | 0<br>0<br>3<br>8<br>0 |                      |
| Ovary                                | +                     | +                     | +                     | A                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |                       |                      |
| Cystadenoma                          |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                      |
| Hemangiosarcoma                      |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                      |
| Luteoma                              |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                      |
| Uterus                               | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |                       |                      |
| Polyp Stromal                        |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                      |
| <b>HEMATOPOIETIC SYSTEM</b>          |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                      |
| Bone Marrow                          | +                     | +                     | +                     | A                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |                       |                      |
| Hemangiosarcoma                      |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                      |
| Lymph Node                           |                       |                       |                       |                       | +                     |                       | +                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                      |
| Lymph Node, Mandibular               | +                     | +                     | +                     | A                     | +                     | +                     | M                     | +                     | +                     | +                     | +                     | M                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |                       |                       |                      |
| Lymph Node, Mesenteric               | +                     | +                     | M                     | A                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |                       |                       |                      |
| Spleen                               | +                     | +                     | +                     | A                     | +                     | +                     | A                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |                       |                       |                      |
| Hemangiosarcoma                      |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                      |
| Thymus                               | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | M                     | +                     | M                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |                       |                       |                      |
| Fibrosarcoma, Metastatic, Skin       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                      |
| <b>INTEGUMENTARY SYSTEM</b>          |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                      |
| Mammary Gland                        | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |                       |                       |                      |
| Skin                                 | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |                       |                       |                      |
| Subcutaneous Tissue, Fibrosarcoma    |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                      |
| Subcutaneous Tissue, Hemangiosarcoma |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                      |

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

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









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

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

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 |
|--------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|
|                                      | 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      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      |                       |          |
| ANIMAL ID                            | 0<br>0<br>3<br>8<br>1 | 0<br>0<br>3<br>8<br>2 | 0<br>0<br>3<br>8<br>5 | 0<br>0<br>3<br>8<br>9 | 0<br>0<br>3<br>8<br>6 | 0<br>0<br>3<br>8<br>7 | 0<br>0<br>3<br>8<br>8 | 0<br>0<br>3<br>8<br>9 | 0<br>0<br>3<br>8<br>0 | 0<br>0<br>3<br>8<br>1 | 0<br>0<br>3<br>8<br>2 | 0<br>0<br>3<br>8<br>3 | 0<br>0<br>3<br>8<br>4 | 0<br>0<br>3<br>8<br>5 | 0<br>0<br>3<br>8<br>6 | 0<br>0<br>3<br>8<br>7 | 0<br>0<br>3<br>8<br>8 | 0<br>0<br>3<br>8<br>9 | 0<br>0<br>3<br>8<br>0 | 0<br>0<br>3<br>8<br>1 | 0<br>0<br>3<br>8<br>2 | 0<br>0<br>3<br>8<br>3 | 0<br>0<br>3<br>8<br>4 | 0<br>0<br>3<br>8<br>5 |          |
| Ovary                                | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 49                    |          |
| Cystadenoma                          |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       | X                     | X                     |                       |                       | 4                     |          |
| Hemangiosarcoma                      |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |          |
| Luteoma                              |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     |          |
| Uterus                               | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50                    |          |
| Polyp Stromal                        |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |          |
| <b>HEMATOPOIETIC SYSTEM</b>          |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |          |
| Bone Marrow                          | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 49                    |          |
| Hemangiosarcoma                      |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |          |
| Lymph Node                           |                       |                       | +                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 3                     |          |
| Lymph Node, Mandibular               | +                     | +                     | +                     | M                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | I                     | +                     | +                     | +                     | +                     | +                     | 45                    |          |
| Lymph Node, Mesenteric               | +                     | +                     | +                     | M                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | I                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 46                    |          |
| Spleen                               | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 48                    |          |
| Hemangiosarcoma                      |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     | 2                     |          |
| Thymus                               | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | M                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | M                     | +                     | +                     | +                     | 46                    |          |
| Fibrosarcoma, Metastatic, Skin       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |          |
| <b>INTEGUMENTARY SYSTEM</b>          |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |          |
| Mammary Gland                        | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50                    |          |
| Skin                                 | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50                    |          |
| Subcutaneous Tissue, Fibrosarcoma    |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |          |
| Subcutaneous Tissue, Hemangiosarcoma |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     | 1                     |          |

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

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

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

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

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              |
|--|------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|  | 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>3<br>8<br>1        | 0<br>0<br>3<br>8<br>2 | 0<br>0<br>3<br>8<br>5 | 0<br>0<br>3<br>8<br>9 | 0<br>0<br>3<br>8<br>6 | 0<br>0<br>3<br>8<br>7 | 0<br>0<br>3<br>8<br>8 | 0<br>0<br>3<br>8<br>9 | 0<br>0<br>3<br>8<br>0 | 0<br>0<br>3<br>8<br>1 | 0<br>0<br>3<br>8<br>2 | 0<br>0<br>3<br>8<br>3 | 0<br>0<br>3<br>8<br>4 | 0<br>0<br>3<br>8<br>5 | 0<br>0<br>3<br>8<br>6 | 0<br>0<br>3<br>8<br>7 | 0<br>0<br>3<br>8<br>8 | 0<br>0<br>3<br>8<br>9 | 0<br>0<br>3<br>8<br>0 | 0<br>0<br>3<br>8<br>1 | 0<br>0<br>3<br>8<br>2 |
|  | Subcutaneous Tissue, Sarcoma |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| <b>MUSCULOSKELETAL SYSTEM</b>            |                              |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Bone                                     | +                            | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50                    |
| <b>NERVOUS SYSTEM</b>                    |                              |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Brain                                    | +                            | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50                    |
| <b>RESPIRATORY SYSTEM</b>                |                              |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Lung                                     | +                            | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50                    |
| Alveolar/Bronchiolar Adenoma             |                              |                       |                       |                       |                       | X                     |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     |
| Alveolar/Bronchiolar Carcinoma           |                              |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     |
| Alveolar/Bronchiolar Carcinoma, Multiple |                              |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Carcinoma, Metastatic, Harderian Gland   |                              |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Fibrosarcoma, Metastatic, Skin           |                              |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Nose                                     | +                            | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50                    |
| Trachea                                  | +                            | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50                    |
| <b>SPECIAL SENSES SYSTEM</b>             |                              |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Eye                                      | +                            | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50                    |
| Carcinoma, Metastatic, Harderian Gland   |                              |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Harderian Gland                          | +                            | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50                    |
| Adenoma                                  |                              |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       | 5                     |
| Carcinoma                                |                              | X                     |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       | 4                     |
| <b>URINARY SYSTEM</b>                    |                              |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |

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

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

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

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

**ALIMENTARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder   | A | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | I | + |
| Intestine Large, Cecum                                  | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon                                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum                                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum<br>Adenoma                    | M | + | + | + | A | + | I | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum                                  | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum<br>Leiomyosarcoma              | + | + | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hepatocellular Adenoma                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   | X |   |
| Hepatocellular Adenoma, Multiple                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |
| Mesentery   |   |   |   |   | + | + |   |   |   |   |   |   |   |   |   |   |   |   |   | + |   |   |   |
| Leiomyosarcoma, Metastatic, Intestine Small,<br>Jejunum |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Pancreas  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Salivary Glands   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

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

M .. Missing tissue  
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**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

alpha/beta Thujone mixture  
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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 | 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...) |
|--------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|
|                                | 5           | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |           |                      |
|                                | 4           | 7 | 4 | 6 | 9 | 9 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |           |                      |
|                                | 3           | 9 | 7 | 8 | 1 | 4 | 0 | 1 | 1 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | 1 | 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 | 0 | 0 |           |                      |
|                                | 4           | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |           |                      |
|                                | 4           | 3 | 4 | 0 | 1 | 4 | 1 | 4 | 3 | 1 | 1 | 1 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 0 | 0 | 0 | 0 |           |                      |
|                                | 7           | 7 | 3 | 4 | 6 | 4 | 3 | 1 | 2 | 7 | 8 | 9 | 0 | 6 | 8 | 9 | 0 | 6 | 8 | 9 | 0 | 6 | 7 | 8 | 9 |           |                      |

Stomach, Forestomach

+ +

Stomach, Glandular

+ + + + + + I A +

**CARDIOVASCULAR SYSTEM**

Heart

+ +

**ENDOCRINE SYSTEM**

Adrenal Cortex

+ +

Adrenal Medulla

+ + + + + + M +

Islets, Pancreatic

+ +

Parathyroid Gland

+ + + + + + M M +

Pituitary Gland  
 Pars Intermedia, Carcinoma

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

Thyroid Gland

+ + + + + + M +

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Clitoral Gland

+ + M +

Ovary  
 Cystadenoma

+ + + + + + + M +

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

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

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

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

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

Luteoma

Uterus +  
 Leiomyosarcoma

**HEMATOPOIETIC SYSTEM**

Bone Marrow +  
 Mast Cell Tumor Benign X

Lymph Node

Lymph Node, Mandibular + + + + + + + + + M + + + + + + + + + + + + + +

Lymph Node, Mesenteric + + + + + + + + + + + + + + + + + I + + + + + + + +

Spleen +

Thymus + M + + + + + M + + + + + + + + + + + + + + + + + +

**INTEGUMENTARY SYSTEM**

Mammary Gland +  
 Adenoma

Skin +  
 Subcutaneous Tissue, Sarcoma  
 Subcutaneous Tissue, Schwannoma Malignant X

**MUSCULOSKELETAL SYSTEM**

Bone +

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

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



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

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

alpha/beta Thujone mixture  
 CAS Number: THUJONEMIXAB

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

| B6C3F1 MICE FEMALE  | 12 MG/KG | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | females<br>(cont...) |
|---------------------|----------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|
|                     |          | 5           | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |           |                      |
|                     |          | 4           | 7 | 4 | 6 | 9 | 9 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |   |           |                      |
|                     |          | 3           | 9 | 7 | 8 | 1 | 4 | 0 | 1 | 1 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | 1 | 2 | 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 |   |           |                      |
|                     |          | 4           | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |   |           |                      |
|                     |          | 4           | 3 | 4 | 0 | 1 | 4 | 1 | 4 | 3 | 1 | 1 | 1 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 0 | 0 |   |           |                      |
|                     |          | 7           | 7 | 3 | 4 | 6 | 4 | 3 | 1 | 2 | 7 | 8 | 9 | 0 | 6 | 8 | 9 | 0 | 6 | 8 | 9 | 0 | 6 | 7 |   |           |                      |
|                     |          |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |
| Multiple Organ      |          |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |           |                      |
| Histiocytic Sarcoma |          |             |   |   |   |   |   | X | X | X |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |           |                      |
| Lymphoma Malignant  |          |             |   | X | X |   |   |   |   |   |   | X | X |   |   |   |   |   |   |   | X | X |   | X |   |           |                      |

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

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



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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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 | 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 |
|--------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----------|
|                                | ANIMAL ID   | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |    |          |
| Stomach, Forestomach           |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |          |
| Stomach, Glandular             |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |          |
| <b>CARDIOVASCULAR SYSTEM</b>   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |          |
| Heart                          |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |          |
| <b>ENDOCRINE SYSTEM</b>        |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |          |
| Adrenal Cortex                 |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |          |
| Adrenal Medulla                |             | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |          |
| Islets, Pancreatic             |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |          |
| Parathyroid Gland              |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | 47 |          |
| Pituitary Gland                |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |          |
| Pars Intermedia, Carcinoma     |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |          |
| Thyroid Gland                  |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |          |
| <b>GENERAL BODY SYSTEM</b>     |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |          |
| NONE                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |          |
| <b>GENITAL SYSTEM</b>          |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |          |
| Clitoral Gland                 |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |          |
| Ovary                          |             | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |          |
| Cystadenoma                    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   | X | 3  |          |

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

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



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

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

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>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      |                       |          |
|   | ANIMAL ID   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |          |
|   | 0<br>0<br>4<br>1<br>0                             | 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>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>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>3 | 0<br>0<br>4<br>3<br>3 | 0<br>0<br>4<br>3<br>3 | 0<br>0<br>4<br>3<br>3 | 0<br>0<br>4<br>3<br>3 | 0<br>0<br>4<br>3<br>3 | 0<br>0<br>4<br>3<br>3 | 0<br>0<br>4<br>3<br>3 | 0<br>0<br>4<br>3<br>3 | 0<br>0<br>4<br>3<br>3 | 0<br>0<br>4<br>3<br>3 | 0<br>0<br>4<br>3<br>3 |          |
| Luteoma                                   | X   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1        |
| Uterus                                    | +   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 50       |
| Leiomyosarcoma                            | X   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1        |
| <b>HEMATOPOIETIC SYSTEM</b>               |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |          |
| Bone Marrow                               | +   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 50       |
| Mast Cell Tumor Benign                    | +   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1        |
| Lymph Node                                | +   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1        |
| Lymph Node, Mandibular                    | + + + + + + + + + + + + + M + + + + + + + + + + + |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 48       |
| Lymph Node, Mesenteric                    | + + + + + M + + + + + + + + + + + + + + + + +     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 48       |
| Spleen                                    | +   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 50       |
| Thymus                                    | +   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 48       |
| <b>INTEGUMENTARY SYSTEM</b>               |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |          |
| Mammary Gland                             | +   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 50       |
| Adenoma                                   | X   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1        |
| Skin                                      | +   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 50       |
| Subcutaneous Tissue, Sarcoma              | X   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1        |
| Subcutaneous Tissue, Schwannoma Malignant |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1        |
| <b>MUSCULOSKELETAL SYSTEM</b>             |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |          |
| Bone                                      | +   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 50       |

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

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



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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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 | 0732  | 0732  | 0732  | 0732  | 0732  | 0732  | 0732  | 0732  | 0732  | 0732  | 0732  | 0732  | 0732  | 0732  | 0732  | 0732  | 0732  | 0732  | 0732  | 0732  | 0732  | 0732  | 0732  | * TOTALS |
|--------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
|                                | ANIMAL ID   | 00410 | 00411 | 00412 | 00413 | 00414 | 00415 | 00416 | 00417 | 00418 | 00419 | 00420 | 00421 | 00422 | 00423 | 00424 | 00425 | 00426 | 00427 | 00428 | 00429 | 00430 | 00431 | 00432 |          |
| Multiple Organ                 |             | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50       |
| Histiocytic Sarcoma            |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 4        |
| Lymphoma Malignant             |             |       |       |       |       | X     |       |       |       |       | X     |       |       |       | X     | X     |       | X     |       | X     |       |       |       | 13    |          |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)  
 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | females<br>(cont...) |
|--------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|
|                                | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                      |
|                                |             | 5 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                      |
|                                |             | 3 | 4 | 4 | 6 | 1 | 4 | 6 | 8 | 9 | 6 | 9 | 6 | 9 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 9 |                      |
|                                |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                      |
|                                |             | 0 | 0 | 0 | 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 | 8 | 8 | 9 | 6 | 7 | 5 | 7 | 9 | 8 | 9 | 5 | 7 | 8 | 6 | 9 | 8 | 9 | 5 | 9 | 5 | 5 | 7 | 9 | 1 |                      |

**ENDOCRINE SYSTEM**

|                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adrenal Medulla    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Parathyroid Gland  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pituitary Gland    | + | + | + | I | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Thyroid Gland      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

|                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ovary          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Uterus         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

**HEMATOPOIETIC SYSTEM**

|                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node, Mandibular | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node, Mesenteric | + | + | + | I | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

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











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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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>2<br>5<br>0 | 0<br>2<br>5<br>3 | 0<br>2<br>5<br>7 | 0<br>2<br>7<br>4 | 0<br>2<br>7<br>5 | 0<br>2<br>7<br>6 | 0<br>2<br>8<br>2 | 0<br>2<br>8<br>2 | 0<br>2<br>8<br>4 | 0<br>2<br>8<br>4 | 0<br>2<br>8<br>5 | 0<br>2<br>8<br>8 | 0<br>2<br>9<br>0 | 0<br>2<br>9<br>2 | 0<br>2<br>9<br>6 | 0<br>3<br>9<br>9 | 0<br>3<br>9<br>6 | 0<br>3<br>9<br>6 | 0<br>3<br>9<br>6 | 0<br>3<br>9<br>6 | 0<br>3<br>9<br>6 | 0<br>3<br>9<br>6 | 0<br>3<br>9<br>6 | 0<br>3<br>9<br>6 |                  | 0<br>3<br>9<br>6 |    |
|                                | ANIMAL ID        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |    |
|                                | 0<br>4<br>6<br>8 | 0<br>4<br>8<br>8 | 0<br>4<br>8<br>4 | 0<br>4<br>6<br>6 | 0<br>4<br>9<br>7 | 0<br>4<br>5<br>4 | 0<br>4<br>5<br>4 | 0<br>4<br>5<br>7 | 0<br>4<br>7<br>9 | 0<br>4<br>8<br>3 | 0<br>4<br>6<br>5 | 0<br>4<br>7<br>0 | 0<br>4<br>8<br>7 | 0<br>4<br>6<br>2 | 0<br>4<br>8<br>0 | 0<br>4<br>6<br>9 | 0<br>4<br>5<br>3 | 0<br>4<br>6<br>6 | 0<br>4<br>5<br>0 | 0<br>4<br>7<br>5 | 0<br>4<br>6<br>8 | 0<br>4<br>7<br>7 | 0<br>4<br>7<br>7 | 0<br>4<br>9<br>3 | 0<br>4<br>9<br>4 |                  |    |
| Spleen                         | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 50 |
| Thymus                         | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 49 |
| <b>INTEGUMENTARY SYSTEM</b>    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |    |
| Mammary Gland                  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 50 |
| Skin                           | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 50 |
| <b>MUSCULOSKELETAL SYSTEM</b>  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |    |
| Bone                           | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 50 |
| <b>NERVOUS SYSTEM</b>          |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |    |
| Brain                          | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 50 |
| <b>RESPIRATORY SYSTEM</b>      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |    |
| Lung                           | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 50 |
| Nose                           | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 50 |
| Pleura                         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 4  |
| Trachea                        | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 50 |
| <b>SPECIAL SENSES SYSTEM</b>   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |    |
| Eye                            | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 50 |
| Harderian Gland                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 50 |

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

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

