

**TDMS No.** 95003 - 06  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
**CAS Number:** 1896-62-4

**Date Report Requested:** 10/09/2009  
**Time Report Requested:** 14:36:21  
**First Dose M/F:** 04/26/04 / 04/26/04  
**Lab:** SRI

F1\_M3

**C Number:** C95003C  
**Lock Date:** 01/29/2007  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 2.1.0

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

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Gallbladder	+	A	+	+	+	+	+	+	+	M	+	+	+	A	+	+	+	A	+	+	+	+	+	A	+
Intestine Large, Cecum	A	A	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	A	+
Intestine Large, Colon	A	A	+	+	+	+	+	+	+	+	+	+	+	A	A	+	+	A	+	+	+	+	+	A	+
Intestine Large, Rectum	A	A	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	A	+
Intestine Small, Duodenum	A	A	+	+	+	+	+	+	+	+	+	+	+	A	A	+	+	A	+	+	+	+	+	A	+
Intestine Small, Ileum	A	A	+	+	I	+	+	+	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	A	+
Intestine Small, Jejunum	A	A	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	A	+
Inflammation, Acute Necrosis										2															
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis																									
Basophilic Focus			X							X										X					
Clear Cell Focus			X			X			X									X			X	X		X	
Congestion																									2
Eosinophilic Focus				X		X	X					X		X	X				X	X					
Fatty Change																									

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

males  
(cont...)

Hematopoietic Cell Proliferation																								2	
Hemorrhage																									4
Hyperplasia, Lymphoid																									2
Inflammation, Acute																									3
Mixed Cell Focus																									3
Necrosis, Focal																									3
Centrilobular, Necrosis																									4
Hepatocyte, Vacuolization Cytoplasmic																									2
Mesentery																									+
Fat, Necrosis																									2
Pancreas																									+
Angiectasis																									+
Metaplasia, Hepatocyte																									1
Salivary Glands																									+
Atrophy																									+
Hyperplasia, Lymphoid																									2
Mineralization																									1
Stomach, Forestomach																									+
Erosion																									1
Ulcer																									4
Epithelium, Hyperplasia																									3
Stomach, Glandular																									+
Cyst																									A
Erosion																									2

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

males  
(cont...)

Inflammation, Acute  
 Metaplasia, Squamous  
 Ulcer  
 Epithelium, Hyperplasia

Tooth  
 Malformation

**CARDIOVASCULAR SYSTEM**

Heart  
 Cardiomyopathy

**ENDOCRINE SYSTEM**

Adrenal Cortex  
 Accessory Adrenal Cortical Nodule  
 Degeneration, Fatty  
 Hyperplasia  
 Hyperplasia, Focal  
 Hypertrophy, Focal  
 Capsule, Hyperplasia

Adrenal Medulla  
 Hyperplasia

Islets, Pancreatic

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

males  
(cont...)

Angiectasis Hyperplasia	3	1		2		2	1	2	2		2			2				1	1	1			1	
Parathyroid Gland Cyst	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	M	+
Pituitary Gland Pars Distalis, Cyst	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+
Thyroid Gland Cyst	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

**GENERAL BODY SYSTEM**

Tissue NOS Fibrosis																								

**GENITAL SYSTEM**

Epididymis Inflammation, Chronic Necrosis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Preputial Gland Atrophy Cyst Hyperplasia, Squamous	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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

males  
(cont...)

Inflammation, Chronic	2		2		2		2																		
Inflammation, Chronic Active	4																								
Prostate	+ +																								
Inflammation, Chronic																									
Necrosis																									
Epithelium, Hyperplasia	1		1		1		1		2		2		1		2		2		2						
Seminal Vesicle	+ +																								
Infiltration Cellular	3																								
Infiltration Cellular, Lymphocyte	1																								
Inflammation, Chronic	1																								
Testes	+ +																								
Germinal Epithelium, Atrophy	1		1		1		3																		

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+ +																								
Lymph Node	+																								
Hemorrhage	3																								
Pigmentation	3																								
Iliac, Hyperplasia, Lymphoid	3																								
Inguinal, Hyperplasia, Lymphoid	3																								
Renal, Hyperplasia, Lymphoid	3																								
Lymph Node, Mandibular	+ +																								

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

males  
(cont...)

Atrophy																										
Hemorrhage																										
Hyperplasia, Lymphoid																										
Lymph Node, Mesenteric	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy																										
Fibrosis																										
Hematopoietic Cell Proliferation																										
Hemorrhage																										
Hyperplasia, Histiocytic																										
Hyperplasia, Lymphoid																										
Hyperplasia, Plasma Cell																										
Infiltration Cellular, Neutrophil																										
Inflammation, Chronic																										
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic Cell Proliferation																										
Lymphoid Follicle, Atrophy																										
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	I	+	+	+	+	+	+	+	+	+
Cyst																										

**INTEGUMENTARY SYSTEM**

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

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

Epidermis, Site Of Application, Hyperplasia 2 1 1 1  
 Site Of Application, Hyperkeratosis 1 1 1 2 1 3  
 Site Of Application, Inflammation, Chronic

### MUSCULOSKELETAL SYSTEM

Bone +  
 Cranium, Osteopetrosis 2 2  
 Skeletal Muscle

### NERVOUS SYSTEM

Brain +  
 Congestion 2  
 Hemorrhage 1

### RESPIRATORY SYSTEM

Lung +  
 Congestion 3 3  
 Hemorrhage 2  
 Hyperplasia, Lymphoid 2  
 Infiltration Cellular, Histiocyte 4 2 2 2  
 Inflammation, Suppurative 1  
 Metaplasia, Osseous  
 Necrosis

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

Alveolar Epithelium, Hyperplasia	1																																		
Nose	+ +																																		
Foreign Body Inflammation, Suppurative																																			
Inflammation, Chronic	1										1					2					1					2					2				
Trachea	+ +																																		

**SPECIAL SENSES SYSTEM**

Eye	+ +																								
Atrophy																									
Inflammation, Chronic											4					2									
Harderian Gland	+ + + M +																								
Fibrosis																									
Hyperplasia, Focal																									
Inflammation, Chronic	2																								

**URINARY SYSTEM**

Kidney	+ +																								
Cyst																									
Hyperplasia, Lymphoid																									
Hyperplasia, Oncocytic																									
Infarct																									

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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 MG/KG	0																								
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
Inflammation, Chronic																		1							
Metaplasia, Osseous		2	1																					2	
Nephropathy			3		3	1	2	2	2	2	3	3	2			4	1		2	3	3	1	2		2
Papilla, Necrosis																									
Pelvis, Dilatation																									
Renal Tubule, Hyperplasia																							1		
Urethra																									
Bulbourethral Gland, Necrosis																									
Urinary Bladder																									
Hemorrhage	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia, Lymphoid																									
Necrosis										2															

males  
(cont...)

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

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/09/2009

Time Report Requested: 14:36:21

First Dose M/F: 04/26/04 / 04/26/04

Lab: SRI

B6C3F1 MICE MALE 0 MG/KG	DAY ON TEST	ANIMAL ID																								* TOTALS	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
	0	0	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	5	6	7	7	4	7	7	7	7	5	7	7	7	7	7	7	
	3	3	3	1	2	3	3	3	2	8	2	2	2	0	3	3	3	3	9	1	3	3	2	2	3		
	0	0	0	4	9	0	0	0	1	5	2	9	9	2	0	0	0	0	8	2	0	1	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		
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	5		
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0		

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Gallbladder	+	+	+	A	+	+	+	+	A	A	+	+	+	A	+	+	+	+	A	+	+	+	+	+	40	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	A	A	+	+	+	A	+	+	+	+	A	+	+	+	+	+	41	
Intestine Large, Colon	+	+	+	A	+	+	+	+	A	A	+	+	+	A	+	+	+	+	A	+	+	+	+	+	39	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	A	A	+	+	+	A	+	+	+	+	A	+	+	+	+	+	41	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	A	A	+	+	+	A	+	+	+	+	A	+	+	+	+	+	40	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	A	A	+	+	+	A	+	+	+	+	A	+	+	+	+	+	40	
Intestine Small, Jejunum	+	+	+	A	+	+	+	+	A	A	+	+	+	+	+	+	+	+	A	+	+	+	+	+	41	
Inflammation, Acute																									1	2.0
Necrosis																									1	1.0
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Angiectasis						2		4																	2	3.0
Basophilic Focus							X	X																	5	
Clear Cell Focus	X	X					X						X	X		X	X	X				X	X	17		
Congestion																									1	2.0
Eosinophilic Focus	X				X	X		X				X				X			X	X	X			17		
Fatty Change	4																							1	4.0	

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TDMS No. 95003 - 06

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/09/2009

Test Type: CHRONIC

Methyl trans-styryl ketone

Time Report Requested: 14:36:21

Route: SKIN APPLICATION

CAS Number: 1896-62-4

First Dose M/F: 04/26/04 / 04/26/04

Species/Strain: MICE/B6C3F1

Lab: SRI

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

Inflammation, Acute																										<b>1</b>	<b>1.0</b>	
Metaplasia, Squamous					2																						<b>1</b>	<b>2.0</b>
Ulcer					4																						<b>1</b>	<b>4.0</b>
Epithelium, Hyperplasia															4												<b>2</b>	<b>3.5</b>

Tooth																										<b>1</b>		
Malformation																											<b>1</b>	<b>2.0</b>

**CARDIOVASCULAR SYSTEM**

Heart																														<b>50</b>	
Cardiomyopathy				1																						1		<b>1</b>	<b>1.0</b>		

**ENDOCRINE SYSTEM**

Adrenal Cortex																														<b>50</b>	
Accessory Adrenal Cortical Nodule					2											2														<b>2</b>	<b>2.0</b>
Degeneration, Fatty		1			1																									<b>4</b>	<b>1.0</b>
Hyperplasia																														<b>2</b>	<b>4.0</b>
Hyperplasia, Focal																														<b>1</b>	<b>1.0</b>
Hypertrophy, Focal		3					1	1						2	2															<b>16</b>	<b>2.1</b>
Capsule, Hyperplasia	3	2	3	3	1	2	2	2	2	2				2	2			2	2	2									<b>38</b>	<b>2.1</b>	

Adrenal Medulla																															<b>49</b>	
Hyperplasia													1														M				<b>4</b>	<b>1.0</b>

Islets, Pancreatic																															<b>50</b>	
--------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-----------	--

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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0																								* 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	
	7	7	7	7	7	7	7	7	7	5	6	7	7	4	7	7	7	7	5	7	7	7	7	7	7
	3	3	3	1	2	3	3	3	2	8	2	2	2	0	3	3	3	3	9	1	3	3	2	2	3
	0	0	0	4	9	0	0	0	1	5	2	9	9	2	0	0	0	0	8	2	0	1	9	9	0
ANIMAL ID	0																								
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	5
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

Angiectasis				3																						1	3.0	
Hyperplasia	2	1			2	1		3	2		1			2	2			2	3		2	2	2	2		28	1.8	
Parathyroid Gland Cyst	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48	2.0
Pituitary Gland Pars Distalis, Cyst	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	2.0
Thyroid Gland Cyst	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	2.0

**GENERAL BODY SYSTEM**

Tissue NOS Fibrosis																											2	1.0
---------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---	-----

**GENITAL SYSTEM**

Epididymis Inflammation, Chronic Necrosis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1.0
	3																										1	3.0
Preputial Gland Atrophy Cyst Hyperplasia, Squamous	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1.0
											2																3	2.0
																											1	2.0

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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 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	5	6	7	7	4	7	7	7	7	5	7	7	7	7	7	
<b>0 MG/KG</b>	3	3	3	1	2	3	3	3	2	8	2	2	2	0	3	3	3	3	9	1	3	3	2	2	
	0	0	0	4	9	0	0	0	1	5	2	9	9	2	0	0	0	0	8	2	0	1	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	
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	5	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	

Atrophy																									2	1	2	<b>3 1.7</b>
Hemorrhage																									2			<b>1 2.0</b>
Hyperplasia, Lymphoid																									3	1		<b>2 2.0</b>
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				
Atrophy		1	1	1	1																							
Fibrosis																												
Hematopoietic Cell Proliferation																												
Hemorrhage																												
Hyperplasia, Histiocytic																												
Hyperplasia, Lymphoid																												
Hyperplasia, Plasma Cell																												
Infiltration Cellular, Neutrophil																												
Inflammation, Chronic																												
Spleen	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	A	+	+	+	+					
Hematopoietic Cell Proliferation																												
Lymphoid Follicle, Atrophy																												
Thymus	+	+	+	M	I	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+					
Cyst																												

**INTEGUMENTARY SYSTEM**

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

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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

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

Alveolar Epithelium, Hyperplasia	1																							<b>5 1.0</b>
Nose	+																							<b>50</b>
Foreign Body																								<b>1</b>
Inflammation, Suppurative																								<b>1 2.0</b>
Inflammation, Chronic	1																							<b>6 1.3</b>
Trachea	+																							<b>50</b>

**SPECIAL SENSES SYSTEM**

Eye	+																							<b>49</b>
Atrophy																								<b>1 4.0</b>
Inflammation, Chronic																								<b>1 2.0</b>
Harderian Gland	+																							<b>48</b>
Fibrosis																								<b>1 2.0</b>
Hyperplasia, Focal	1																							<b>2 2.0</b>
Inflammation, Chronic	2																							<b>3 2.0</b>

**URINARY SYSTEM**

Kidney	+																							<b>48</b>
Cyst	2																							<b>15 2.0</b>
Hyperplasia, Lymphoid	2																							<b>10 2.0</b>
Hyperplasia, Oncocytic																								<b>1 2.0</b>
Infarct	2																							<b>2 2.5</b>

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 Page 18

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

	DAY ON TEST																									
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	7	7	7	7	7	7	7	7	7	5	6	7	7	4	7	7	7	7	5	7	7	7	7	7		
	3	3	3	1	2	3	3	3	2	8	2	2	2	0	3	3	3	3	9	1	3	3	2	2	3	
	0	0	0	4	9	0	0	0	1	5	2	9	9	2	0	0	0	0	8	2	0	1	9	9	0	
<b>B6C3F1 MICE MALE</b>	.....																									
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>0 MG/KG</b>	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	5		
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	
																									<b>* TOTALS</b>	
Inflammation, Chronic																									<b>1 1.0</b>	
Metaplasia, Osseous	2		2	2																					<b>6 1.8</b>	
Nephropathy	2	1	1	1	2	3	2	2	2		1	2	3	1	2	2	2	2		2	2	2	2	1	1	<b>41 2.0</b>
Papilla, Necrosis																			3						<b>1 3.0</b>	
Pelvis, Dilatation																			2						<b>1 2.0</b>	
Renal Tubule, Hyperplasia																				1						<b>2 1.0</b>
.....																										
Urethra																			+						<b>1</b>	
Bulbourethral Gland, Necrosis																			4						<b>1 4.0</b>	
.....																										
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>49</b>
Hemorrhage																			2						<b>1 2.0</b>	
Hyperplasia, Lymphoid																				2						<b>1 2.0</b>
Necrosis																				2						<b>1 2.0</b>

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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0 0																								
	5 7 7 6 7 6 7 7 5 7 7 7 7 7 6 7 7 7 7 7 7 7 7 5 7																								
ANIMAL ID	0 2 3 4 3 8 3 3 0 2 3 2 2 1 2 8 3 2 2 2 2 3 3 9 3																								
	9 9 0 1 1 3 1 0 0 9 1 9 9 4 9 1 0 9 9 9 9 0 1 0 0																								
<b>B6C3F1 MICE MALE</b> <b>10 MG/KG</b>	0 0																								
	0 0																								
	0 0																								
	5 5 5 5 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 7 7 7 7 7																								
	1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5																								

males  
(cont...)

**ALIMENTARY SYSTEM**

Esophagus	+ +																								
Gallbladder	A + + M + + + + A + + + + + + + M + + + + + + + A +																								
Intestine Large, Cecum	+ + + A +																								
Intestine Large, Colon	A + + A + + + + A + + + + + + + + + + + + + + + +																								
Intestine Large, Rectum Inflammation, Acute	M + + A + A +																								
Intestine Small, Duodenum	A + + A + + + + A + + + + + + + + + + + + + + + A +																								
Intestine Small, Ileum	A + + A + + + + A + + + + + + + + + + + + + + + +																								
Intestine Small, Jejunum Mineralization Necrosis	A + + M + + + + M + + + + + + + + + + + + + + + A +																								
Liver	+ +																								
Basophilic Focus	X																								
Bile Stasis	X																								
Clear Cell Focus	X X X X X X X X X X																								
Congestion	2																								
Eosinophilic Focus	X X X X X X X X X X																								

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

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0 0																									males (cont...)
	5 7 7 6 7 6 7 7 5 7 7 7 7 6 7 7 7 7 7 7 7 5 7 0 2 3 4 3 8 3 3 0 2 3 2 2 1 2 8 3 2 2 2 2 3 3 9 3 9 9 0 1 1 3 1 0 0 9 1 9 9 4 9 1 0 9 9 9 9 0 1 0 0																									
<b>B6C3F1 MICE MALE</b> <b>10 MG/KG</b>	ANIMAL ID																									
	0 0																									
	0 0																									
	5 5 5 5 5 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 7 7 7																									
	1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5																									

Hematopoietic Cell Proliferation																									
Hemorrhage	2																								
Inflammation, Chronic																									
Mixed Cell Focus	X																								
Necrosis, Focal	X																								
Hepatocyte, Hypertrophy																									
Hepatocyte, Vacuolization Cytoplasmic																									
.....																									
Mesentery																									
Fibrosis	+																								
Hemorrhage	+																								
Fat, Necrosis	2 2																								
.....																									
Pancreas	+																								
Inflammation, Chronic	+																								
Lipomatosis	+																								
.....																									
Salivary Glands	+																								
Hyperplasia, Lymphoid	2																								
Inflammation, Chronic Active	2																								
Mineralization																									
Necrosis	3																								
.....																									
Stomach, Forestomach	+																								
Edema	+																								
Inflammation, Chronic	1																								
Ulcer	4																								
Epithelium, Hyperplasia	2																								
.....																									

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

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

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

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0 0																								
	5 7 7 6 7 6 7 7 5 7 7 7 7 7 6 7 7 7 7 7 7 7 7 5 7																								
B6C3F1 MICE MALE 10 MG/KG	0 0																								
	0 0																								
ANIMAL ID	0 0																								
	5 5 5 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6																								
	1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5																								

males  
(cont...)

Stomach, Glandular	+ +																								
Cyst																									
Erosion																									
Metaplasia, Squamous																									
Mineralization	1																								
Ulcer	4																								
Epithelium, Hyperplasia	1																								
Epithelium, Hyperplasia	4																								
Tooth Malformation																									

**CARDIOVASCULAR SYSTEM**

Blood Vessel																									
Heart	+ +																								
Cardiomyopathy																									
Thrombosis	3																								

**ENDOCRINE SYSTEM**

Adrenal Cortex	+ +																								
Accessory Adrenal Cortical Nodule																									
Degeneration, Fatty	1																								
Hyperplasia, Focal	2 1																								
Hypertrophy, Focal	3 1 2 2																								
Capsule, Hyperplasia	2 2 1 2 2 2 3 2 2 2 2 1 3 2 1 2 2 2																								

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 I .. Insufficient tissue  
 M .. Missing tissue  
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 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked  
 Page 22

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

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

males  
(cont...)

Adrenal Medulla Hyperplasia	+ +																								
	1 2																								
Islets, Pancreatic Hyperplasia	+ +																								
	2 1 2 1 2 1 1 1 1 2 2 1 2																								
Parathyroid Gland Cyst	M + + M + + + + M + + + + + + + + + + + + + + +																								
Pituitary Gland Pars Distalis, Cyst Pars Distalis, Hyperplasia, Focal	+ +																								
	2																								
Thyroid Gland Follicle, Degeneration, Focal	I +																								

**GENERAL BODY SYSTEM**

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

**GENITAL SYSTEM**

Coagulating Gland																									
Epididymis Fibrosis Hemorrhage	+ +																								
	3 3																								

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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
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 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0 0																								
	5 7 7 6 7 6 7 7 5 7 7 7 7 7 6 7 7 7 7 7 7 7 7 5 7																								
ANIMAL ID	0 2 3 4 3 8 3 3 0 2 3 2 2 1 2 8 3 2 2 2 2 3 3 9 3																								
	9 9 0 1 1 3 1 0 0 9 1 9 9 4 9 1 0 9 9 9 9 9 0 1 0 0																								
<b>B6C3F1 MICE MALE</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
<b>10 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

males (cont...)

Inflammation, Chronic Spermatocele	2										3																	
Preputial Gland Cyst	+ +																											
Inflammation, Chronic	2		2		3					2		2																
Inflammation, Chronic Active																2												
Prostate Angiectasis	+ +																											
Inflammation, Chronic Epithelium, Hyperplasia	2		2		1 2 1					2		1		3 1 2			2 1											
Seminal Vesicle Fibrosis	+ +																				3							
Inflammation, Chronic																					2							
Testes Germinal Epithelium, Atrophy	+ + + + + + + + + +										3					+ +												

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+ +																													
Lymph Node Mediastinal, Hyperplasia, Lymphoid																+					+					+				
Lymph Node, Mandibular	+ + + I + + + + M + + + + + + + + + + + + + + + + M +																													

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 2) Mild 4) Marked  
 Page 24



TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0 0																								
	5 7 7 6 7 6 7 7 5 7 7 7 7 7 6 7 7 7 7 7 7 7 7 5 7																								
ANIMAL ID	0 2 3 4 3 8 3 3 0 2 3 2 2 1 2 8 3 2 2 2 2 3 3 9 3																								
	9 9 0 1 1 3 1 0 0 9 1 9 9 4 9 1 0 9 9 9 9 9 0 1 0 0																								
<b>B6C3F1 MICE MALE</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
<b>10 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

males  
(cont...)

Hemorrhage																										2
Hyperplasia, Lymphoid																										
Hyperplasia, Plasma Cell																										
Lymph Node, Mesenteric	+	+	+	A	+	M	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+		
Atrophy																										2
Hemorrhage																										2
Hyperplasia, Lymphoid																										3
Hyperplasia, Plasma Cell																										3
Infiltration Cellular, Neutrophil																										2
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Hematopoietic Cell Proliferation																										4
Pigmentation																										3
Lymphoid Follicle, Atrophy																										2
Lymphoid Follicle, Hyperplasia																										2
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+		
Cyst																										2

**INTEGUMENTARY SYSTEM**

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Cyst Epithelial Inclusion																										
Edema																										3
Hyperkeratosis																										1

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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0																								
		5	7	7	6	7	6	7	7	5	7	7	7	7	7	6	7	7	7	7	7	7	7	5	7
	0	2	3	4	3	8	3	3	0	2	3	2	2	1	2	8	3	2	2	2	2	3	3	9	3
	9	9	0	1	1	3	1	0	0	9	1	9	9	4	9	1	0	9	9	9	9	0	1	0	0
ANIMAL ID	0																								
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

**B6C3F1 MICE MALE**  
**10 MG/KG**

males  
(cont...)

Hyperplasia, Melanocyte Inflammation, Chronic	1	1																						
Metaplasia, Osseous Ulcer																								
Epidermis, Hyperplasia											3													
Epidermis, Site Of Application, Hyperplasia											3		1								1	1		
Site Of Application, Erosion																								
Site Of Application, Fibrosis																								
Site Of Application, Hyperkeratosis				2		2					2	3							1		1	2		
Site Of Application, Hyperplasia, Melanocyte																								
Site Of Application, Inflammation, Chronic																						1		
Site Of Application, Ulcer											3													

**MUSCULOSKELETAL SYSTEM**

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

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage		1		1										1		1							
Hyperplasia, Lymphoid																							1

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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0 0																								
	5 7 7 6 7 6 7 7 5 7 7 7 7 7 6 7 7 7 7 7 7 7 5 7																								
B6C3F1 MICE MALE 10 MG/KG	0 2 3 4 3 8 3 3 0 2 3 2 2 1 2 8 3 2 2 2 2 3 3 9 3																								
	9 9 0 1 1 3 1 0 0 9 1 9 9 4 9 1 0 9 9 9 9 0 1 0 0																								
ANIMAL ID	0 0																								
	0 0																								
10 MG/KG	5 5 5 5 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6																								
	1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5																								

males  
(cont...)

**RESPIRATORY SYSTEM**

Lung	+ +																								
Congestion	2																								
Hemorrhage	2 1 2																								
Infiltration Cellular, Histiocyte	2 3																								
Thrombosis	1																								
Alveolar Epithelium, Hyperplasia	1 1 2																								
Nose	+ +																								
Inflammation, Chronic	1 1 2																								
Pleura	+																								
Trachea	+ +																								

**SPECIAL SENSES SYSTEM**

Eye	+ +																								
Inflammation, Chronic Active																									
Cornea, Hyperplasia																									
Harderian Gland	+ +																								
Hyperplasia																									
Hyperplasia, Focal	2																								
Inflammation, Chronic																									

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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0 0																								
	5 7 7 6 7 6 7 7 5 7 7 7 7 7 6 7 7 7 7 7 7 7 5 7																								
ANIMAL ID	0 2 3 4 3 8 3 3 0 2 3 2 2 1 2 8 3 2 2 2 2 3 3 9 3																								
	9 9 0 1 1 3 1 0 0 9 1 9 9 4 9 1 0 9 9 9 9 9 0 1 0 0																								
<b>B6C3F1 MICE MALE</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
<b>10 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

males (cont...)

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Casts Granular									3															
Casts Protein																								
Cyst			2					2		2		2				2					2	2		
Hyperplasia, Lymphoid	2		2					2				2										2	2	
Infarct								3								2								
Inflammation, Suppurative																2								
Metaplasia, Osseous															2						2	1		2
Nephropathy		2	3		1	1	1	2		2	3	2	2	4	2	3	2	2	2	2	2	2	3	2
Papilla, Necrosis								3								1								
Pelvis, Dilatation																								
Renal Tubule, Dilatation, Focal																								
Renal Tubule, Hyperplasia		4																				1		
Renal Tubule, Pigmentation																								
Urinary Bladder	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Edema						4																		
Hyperplasia, Lymphoid																								
Necrosis																								

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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
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**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
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 Lab: SRI

DAY ON TEST	0 0																							
	7 6 6 6 7 7 7 7 7 6 5 5 7 6 7 7 7 7 7 7 7 7 7 7																							
B6C3F1 MICE MALE 10 MG/KG	3 1 1 3 3 3 3 3 3 5 1 1 3 2 3 3 3 1 3 2 3 2 3 3 2																							
	1 0 3 1 0 0 1 1 1 9 3 5 0 6 0 1 0 1 1 9 1 9 1 1 9																							
ANIMAL ID	0 0																							
	0 0																							
* TOTALS	7 7 7 7 8 8 8 8 8 8 8 8 8 8 9 9 9 9 9 9 9 9 9 9																							
	6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0																							

**ALIMENTARY SYSTEM**

Esophagus	+ +																								50		
Gallbladder	+ M A A + + + + + + + A + + + A + + + + + M + +																								38		
Intestine Large, Cecum	+ + + A + + + + + + + A + + + + + + + A + + + + +																								46		
Intestine Large, Colon	+ + M A + + + + + + + A + + + + + + + A + + + + +																								43		
Intestine Large, Rectum Inflammation, Acute	+ + + A + + + I + + A + + + + + + + + A + + + + +																								43	1	1.0
Intestine Small, Duodenum	+ + A A + + + + + + + A + + + + + + + A + + + + +																								42		
Intestine Small, Ileum	+ + + A + + + + + + + A + + + + + + + A + + + + +																								44		
Intestine Small, Jejunum Mineralization Necrosis	+ + A A + + + + + + + A + + + + + + + A + + + + +																								42	1	1.0
Liver	+ +																								50		
Basophilic Focus	X																								5		
Bile Stasis	2																								2	2.5	
Clear Cell Focus	X X X X X X X																								18		
Congestion	4																								2	3.0	
Eosinophilic Focus	X X X X X X X																								14		

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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 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																								
	7	6	6	6	7	7	7	7	7	6	5	5	7	6	7	7	7	7	7	7	7	7	7	7																								
	3	1	1	3	3	3	3	3	3	5	1	1	3	2	3	3	3	1	3	2	3	2	3	2																								
	1	0	3	1	0	0	1	1	1	9	3	5	0	6	0	1	0	1	1	9	1	9	1	9																								
<b>B6C3F1 MICE MALE</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																								
<b>10 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1																								
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9																								
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9																								
Hematopoietic Cell Proliferation																									1	1 1.0																						
Hemorrhage																									3	2 2.5																						
Inflammation, Chronic																									4	2 2.5																						
Mixed Cell Focus																									X	5																						
Necrosis, Focal																									4 2	7 2.6																						
Hepatocyte, Hypertrophy																									2	1 2.0																						
Hepatocyte, Vacuolization Cytoplasmic																									2	2 2.0																						
.....																																																
Mesentery																									+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	12	
Fibrosis																									2	1 2.0																						
Hemorrhage																									3	3 2.7																						
Fat, Necrosis																									2 2	5 2.0																						
.....																																																
Pancreas																									+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Inflammation, Chronic																									2	1 2.0																						
Lipomatosis																									2	1 2.0																						
.....																																																
Salivary Glands																									+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hyperplasia, Lymphoid																									2	13 2.0																						
Inflammation, Chronic Active																									2 2	1 2.0																						
Mineralization																									2	2 1.0																						
Necrosis																									1 1	1 3.0																						
.....																																																
Stomach, Forestomach																									+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Edema																									2	1 2.0																						
Inflammation, Chronic																									3 2	3 2.0																						
Ulcer																									2	2 3.0																						
Epithelium, Hyperplasia																									3 3	7 2.4																						

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 M .. Missing tissue  
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 2) Mild 4) Marked



TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

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 Lab: SRI

DAY ON TEST	0 0																								* TOTALS
	7 6 6 6 7 7 7 7 7 6 5 5 7 6 7 7 7 7 7 7 7 7 7 7																								
ANIMAL ID	3 1 1 3 3 3 3 3 3 5 1 1 3 2 3 3 3 1 3 2 3 2 3 3 2																								
	1 0 3 1 0 0 1 1 1 9 3 5 0 6 0 1 0 1 1 9 1 9 1 1 9																								
<b>B6C3F1 MICE MALE</b>	0 0																								
<b>10 MG/KG</b>	0 0																								
	7 7 7 7 8 8 8 8 8 8 8 8 8 8 9 9 9 9 9 9 9 9 9 9																								
	6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0																								

Adrenal Medulla Hyperplasia	+ +																								50	2 1.5
Islets, Pancreatic Hyperplasia	+ +																								50	23 1.9
Parathyroid Gland Cyst	+ + + + + + + + + 2 + + + + + + + + + + + + +																								47	1 2.0
Pituitary Gland Pars Distalis, Cyst Pars Distalis, Hyperplasia, Focal	+ + + + + + + + + + + + + + + M + + + + + + + +																								49	4 2.0 1 2.0
Thyroid Gland Follicle, Degeneration, Focal	+ +																								49	1 3.0

**GENERAL BODY SYSTEM**

Tissue NOS																									2	
------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---	--

**GENITAL SYSTEM**

Coagulating Gland	+																								1	
Epididymis Fibrosis Hemorrhage	+ +																								50	1 3.0 1 3.0

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DAY ON TEST	0 0																								
	7 6 6 6 7 7 7 7 7 6 5 5 7 6 7 7 7 7 7 7 7 7 7 7																								
ANIMAL ID	3 1 1 3 3 3 3 3 3 5 1 1 3 2 3 3 3 1 3 2 3 2 3 3 2																								
	1 0 3 1 0 0 1 1 1 9 3 5 0 6 0 1 0 1 1 9 1 9 1 1 9																								
<b>B6C3F1 MICE MALE</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	
<b>10 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	0	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
	<b>* TOTALS</b>																								

Inflammation, Chronic Spermatocele																									2	2	<b>3 2.0</b>
Preputial Gland Cyst	+ +																								50	<b>3 2.0</b>	
Inflammation, Chronic	3 2																								2	2	<b>18 2.2</b>
Inflammation, Chronic Active																									4	1	<b>3 2.3</b>
Prostate	+ +																								50	<b>1 2.0</b>	
Angiectasis																									2		<b>8 2.3</b>
Inflammation, Chronic Epithelium, Hyperplasia	1																								1	4	<b>20 1.5</b>
Seminal Vesicle	+ +																								50	<b>1 3.0</b>	
Fibrosis																											<b>4 2.0</b>
Inflammation, Chronic																									1	3	
Testes	+ +																								50	<b>3 2.3</b>	
Germinal Epithelium, Atrophy																										1	

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+ +																								50		
Lymph Node																										5	<b>1 3.0</b>
Mediastinal, Hyperplasia, Lymphoid																										3	
Lymph Node, Mandibular	+ + + + + + + + + + M + + + + + + + + + + + + + +																								46		

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DAY ON TEST	0 0																								* TOTALS			
	7 6 6 6 7 7 7 7 7 6 5 5 7 6 7 7 7 7 7 7 7 7 7 7																											
ANIMAL ID	3 1 1 3 3 3 3 3 3 5 1 1 3 2 3 3 3 1 3 2 3 2 3 3 2																											
	1 0 3 1 0 0 1 1 1 9 3 5 0 6 0 1 0 1 1 9 1 9 1 1 9																											
<b>B6C3F1 MICE MALE</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		
<b>10 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	9	0	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	0		

Hemorrhage																												1	2.0	
Hyperplasia, Lymphoid										2																			1	2.0
Hyperplasia, Plasma Cell										4																			1	4.0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	M	+	+	A	+	+	+	+	+	+	+	+	44		
Atrophy														1															4	1.3
Hemorrhage																													3	2.3
Hyperplasia, Lymphoid										4																			2	3.5
Hyperplasia, Plasma Cell										4																			2	3.5
Infiltration Cellular, Neutrophil																													1	2.0
Spleen	+	+	+	A	+	+	+	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	47		
Hematopoietic Cell Proliferation										3																			16	3.4
Pigmentation				2																									1	2.0
Lymphoid Follicle, Atrophy																													4	2.5
Lymphoid Follicle, Hyperplasia																													1	1.0
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	48		
Cyst	2	2	2																										7	2.0

**INTEGUMENTARY SYSTEM**

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Cyst Epithelial Inclusion																													1	
Edema																													2	2.0
Hyperkeratosis																													4	
																													1	
																													3	2.7

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DAY ON TEST	0 0																								* TOTALS
	7	6	6	6	7	7	7	7	7	6	5	5	7	6	7	7	7	7	7	7	7	7	7	7	
ANIMAL ID	3 1 1 3 3 3 3 3 3 5 1 1 3 2 3 3 3 1 3 2 3 2 3 3 2																								
	1	0	3	1	0	0	1	1	1	9	3	5	0	6	0	1	0	1	1	9	1	9	1	9	1
<b>B6C3F1 MICE MALE</b> <b>10 MG/KG</b>	0 0																								
	0 0																								
	0 0																								
	7 7 7 7 7 8 8 8 8 8 8 8 8 8 8 9 9 9 9 9 9 9 9 9 9																								
	6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0																								

Hyperplasia, Melanocyte	3																								<b>1 3.0</b>
Inflammation, Chronic	4																								<b>3 2.0</b>
Metaplasia, Osseous	4																								<b>1 4.0</b>
Ulcer	4																								<b>1 4.0</b>
Epidermis, Hyperplasia	4																								<b>2 3.5</b>
Epidermis, Site Of Application, Hyperplasia	3														1 1 1		2 2 1		2 1		<b>13 1.5</b>				
Site Of Application, Erosion																									<b>1 2.0</b>
Site Of Application, Fibrosis	1																								<b>1 1.0</b>
Site Of Application, Hyperkeratosis	3														1 1 1 1 1		1 2 2 2		2 2		<b>19 1.7</b>				
Site Of Application, Hyperplasia, Melanocyte	1																								<b>1 1.0</b>
Site Of Application, Inflammation, Chronic	1														2		1 2 1 1		2		<b>8 1.4</b>				
Site Of Application, Ulcer	3																								<b>2 3.0</b>

**MUSCULOSKELETAL SYSTEM**

Bone	+ +																								<b>49</b>		
Cranium, Osteopetrosis																									<b>2</b>	<b>1 2.0</b>	
Skeletal Muscle																									<b>+</b>	<b>+</b>	<b>4</b>

**NERVOUS SYSTEM**

Brain	+ +																								<b>50</b>	
Hemorrhage																									<b>1</b>	<b>5 1.0</b>
Hyperplasia, Lymphoid	1																								<b>2 1.0</b>	

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DAY ON TEST	0 0																								
	7 6 6 6 7 7 7 7 7 6 5 5 7 6 7 7 7 7 7 7 7 7 7 7																								
ANIMAL ID	3 1 1 3 3 3 3 3 3 5 1 1 3 2 3 3 3 1 3 2 3 2 3 3 2																								
	1 0 3 1 0 0 1 1 1 9 3 5 0 6 0 1 0 1 1 9 1 9 1 1 9																								
<b>B6C3F1 MICE MALE</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	
<b>10 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	0	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
																								<b>* TOTALS</b>	

**RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Congestion			2	2																					3 2.0
Hemorrhage			1				2				3														6 1.8
Infiltration Cellular, Histiocyte										2															3 2.3
Thrombosis																									1 1.0
Alveolar Epithelium, Hyperplasia	3		2												2										6 1.8
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Inflammation, Chronic											1	3												2	6 1.7
Pleura																									1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

**SPECIAL SENSES SYSTEM**

Eye	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48	
Inflammation, Chronic Active																									2	1 2.0
Cornea, Hyperplasia																									2	1 2.0
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hyperplasia	4																									1 4.0
Hyperplasia, Focal															2											2 2.0
Inflammation, Chronic			2	2		2																				3 2.0

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DAY ON TEST	0 0																								
	6 6 6 7 5 7 7 7 7 7 5 7 7 7 7 7 6 5 7 7 7 4 7 5																								
ANIMAL ID	7 5 9 3 2 3 3 2 3 3 7 0 3 2 2 3 2 2 9 2 2 0 7 2 3																								
	5 3 8 0 1 1 0 9 0 1 1 5 1 9 9 1 9 7 6 9 9 3 1 9 4																								
<b>B6C3F1 MICE MALE</b> <b>30 MG/KG</b>	0 0																								
	0 0																								
	1 1																								
	0 0																								
	1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5																								

males  
(cont...)

**ALIMENTARY SYSTEM**

Esophagus	+ +																								
Gallbladder	+ + + + + + + M M + M A + + + + + + + + + + + A + +																								
Intestine Large, Cecum	A + + + + + + + + + + A + + + + + + + + + + + + + A																								
Intestine Large, Colon Edema	A + + + + + + + + + + A A + + + + + + + + + + + A + A																								
Intestine Large, Rectum	A + + + + + + + + + + A + + + + + + + + + + + + + A																								
Intestine Small, Duodenum	A + + + + + + + + + + A A + + + + + + + + + + + A + A																								
Intestine Small, Ileum Inflammation, Acute	A + + + + + + + + + + A + + + + + + + + + + + + + A + A																								
Intestine Small, Jejunum Inflammation, Acute Necrosis	A + + + + + + + + + + A + + + + + + + + + + + + + A + A																								
Liver	+ +																								
Angiectasis																									
Basophilic Focus																									
Bile Stasis																									
Clear Cell Focus	X X X X X X X X																								

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	DAY ON TEST																									males (cont...)
	0 6 7 5	0 6 5 3	0 6 9 8	0 7 3 0	0 5 2 1	0 7 3 1	0 7 3 0	0 7 2 9	0 7 3 0	0 7 3 1	0 7 7 1	0 5 0 5	0 7 3 1	0 7 7 9	0 7 2 9	0 7 2 1	0 7 2 9	0 6 2 7	0 5 9 6	0 7 2 9	0 7 2 9	0 7 0 3	0 4 7 1	0 7 2 9	0 5 2 4	
<b>B6C3F1 MICE MALE</b>	ANIMAL ID																									
<b>30 MG/KG</b>	0 0 1 0 1	0 0 1 0 2	0 0 1 0 3	0 0 1 0 4	0 0 1 0 5	0 0 1 0 6	0 0 1 0 7	0 0 1 0 8	0 0 1 0 9	0 0 1 0 0	0 0 1 0 1	0 0 1 0 2	0 0 1 0 3	0 0 1 0 4	0 0 1 0 5	0 0 1 0 6	0 0 1 0 7	0 0 1 0 8	0 0 1 0 9	0 0 2 0 0	0 0 2 0 1	0 0 2 0 2	0 0 2 0 3	0 0 2 0 4	0 0 2 0 5	
Eosinophilic Focus		X	X						X	X	X															X
Hematopoietic Cell Proliferation									1																	1
Mixed Cell Focus																										
Necrosis, Focal		4				4					3					3	4								1	
Thrombosis											2															
Hepatocyte, Vacuolization Cytoplasmic											2															
Mesentery				+	+						+		+								+	+				
Fibrosis											2															
Fat, Necrosis				2							3		2								2	2				
Pancreas		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lipomatosis																										3
Salivary Glands		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy																										
Hyperplasia, Lymphoid				2	2							2	2	2		2										
Mineralization				1																						
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Edema																										2
Erosion																										
Inflammation, Chronic					1																					
Ulcer											2										3				2	
Epithelium, Hyperplasia				2	2																					2
Stomach, Glandular		A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst				2				2	2	2		2	2	2	2											2
Erosion																										3

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

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0																								
	6	6	6	7	5	7	7	7	7	7	5	7	7	7	7	7	6	5	7	7	7	4	7	5	
7	5	9	3	2	3	3	2	3	3	7	0	3	2	2	3	2	2	9	2	2	0	7	2	3	
5	3	8	0	1	1	0	9	0	1	1	5	1	9	9	1	9	7	6	9	9	3	1	9	4	
ANIMAL ID	0																								
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

**B6C3F1 MICE MALE**  
**30 MG/KG**

males  
(cont...)

Inflammation, Acute	1																								
Metaplasia, Squamous																									
Mineralization	1																								
Necrosis																									

**CARDIOVASCULAR SYSTEM**

Blood Vessel																									
Heart	+ +																								
Cardiomyopathy	1																								
Mineralization	1 1 2																								

**ENDOCRINE SYSTEM**

Adrenal Cortex	+ +																								
Accessory Adrenal Cortical Nodule	1																								
Degeneration, Fatty	2																								
Hyperplasia, Focal	2																								
Hypertrophy, Focal	1																								
Capsule, Hyperplasia	2 2 2 2 1 2 1 2 1 2 2 3 2 2 1 1 2 2 1																								
Adrenal Medulla	+ +																								
Hyperplasia	1																								
Islets, Pancreatic	+ +																								
Hyperplasia	2 1 1 1 1 4 4 1 1 2 3 1																								

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



TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0 0																								
	6 6 6 7 5 7 7 7 7 7 5 7 7 7 7 7 6 5 7 7 7 4 7 5																								
ANIMAL ID	7 5 9 3 2 3 3 2 3 3 7 0 3 2 2 3 2 2 9 2 2 0 7 2 3																								
	5 3 8 0 1 1 0 9 0 1 1 5 1 9 9 1 9 7 6 9 9 3 1 9 4																								
<b>B6C3F1 MICE MALE</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
<b>30 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

males  
(cont...)

Parathyroid Gland Cyst	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pituitary Gland Pars Distalis, Cyst	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Hyperplasia, Focal					2																			
Pars Intermedia, Cyst																								
Thyroid Gland Follicular Cell, Hyperplasia, Focal	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

**GENERAL BODY SYSTEM**

Tissue NOS	+
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**GENITAL SYSTEM**

Epididymis Amyloid Deposition, Chronic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Granuloma Sperm																								
Penis Congestion																								
Inflammation, Acute																								
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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 + .. Tissue examined microscopically  
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 I .. Insufficient tissue  
 M .. Missing tissue  
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 BLANK .. Not examined microscopically  
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 2) Mild 4) Marked

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0 0																								
	6 6 6 7 5 7 7 7 7 7 5 7 7 7 7 7 6 5 7 7 7 4 7 5																								
ANIMAL ID	7 5 9 3 2 3 3 2 3 3 7 0 3 2 2 3 2 2 9 2 2 0 7 2 3																								
	5 3 8 0 1 1 0 9 0 1 1 5 1 9 9 1 9 7 6 9 9 3 1 9 4																								
<b>B6C3F1 MICE MALE</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
<b>30 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

males (cont...)

Cyst																										2	2			2	2																		
Hyperplasia																												2																					
Inflammation, Chronic	2	2																										2			3	3			2														
Inflammation, Chronic Active																																																	
Prostate																										+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic																																																	
Epithelium, Hyperplasia																												2	1	1	1	3			2														
Seminal Vesicle																										+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes																										+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis																																																	
Germinal Epithelium, Atrophy																																																	
Interstitial Cell, Hyperplasia																																																	

**HEMATOPOIETIC SYSTEM**

Bone Marrow																										+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Myelofibrosis																																																			
Lymph Node																										+																									+
Iliac, Hemorrhage																										2																									
Iliac, Hyperplasia, Lymphoid																										2																									
Lymph Node, Mandibular																										+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Lymph Node, Mesenteric																										A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			

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

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0 0																								
	6 6 6 7 5 7 7 7 7 7 5 7 7 7 7 7 6 5 7 7 7 4 7 5																								
ANIMAL ID	7 5 9 3 2 3 3 2 3 3 7 0 3 2 2 3 2 2 9 2 2 0 7 2 3																								
	5 3 8 0 1 1 0 9 0 1 1 5 1 9 9 1 9 7 6 9 9 3 1 9 4																								
<b>B6C3F1 MICE MALE</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
<b>30 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

males  
(cont...)

Atrophy	2		2												2									
Hematopoietic Cell Proliferation											4		2											
Hemorrhage											2													
Hyperplasia, Lymphoid																								
Hyperplasia, Plasma Cell																								
Infiltration Cellular, Neutrophil																								
Spleen	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrosis	2												3		4		4							
Hematopoietic Cell Proliferation	3		4		3												3		4		4			
Lymphoid Follicle, Atrophy											2													
Lymphoid Follicle, Hyperplasia																								
Thymus	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst	2												2		I		+		+		+			

**INTEGUMENTARY SYSTEM**

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst Epithelial Inclusion											X													
Edema	2																							
Hyperkeratosis	1																							
Inflammation, Chronic					1		1																	
Ulcer																								
Epidermis, Site Of Application, Hyperplasia	4		1		1		1		1		1		2		1		1		1		1			
Prepuce, Hyperkeratosis																3								
Site Of Application, Fibrosis	4		1																					

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 BLANK .. Not examined microscopically  
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 2) Mild 4) Marked

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

	DAY ON TEST																									males (cont...)
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	6	6	6	7	5	7	7	7	7	7	5	7	7	7	7	7	6	5	7	7	7	4	7	5		
	7	5	9	3	2	3	3	2	3	3	7	0	3	2	2	3	2	2	9	2	2	0	7	2	3	
	5	3	8	0	1	1	0	9	0	1	1	5	1	9	9	1	9	7	6	9	9	3	1	9	4	
<b>B6C3F1 MICE MALE</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	
<b>30 MG/KG</b>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	

Site Of Application, Hyperkeratosis				4	1	1	1	1																			
Site Of Application, Hyperplasia, Melanocyte	2	1																									
Site Of Application, Inflammation, Chronic																											
Site Of Application, Ulcer				4																							

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Osteopetrosis																											
Cranium, Osteopetrosis																											

Skeletal Muscle

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Hemorrhage																											

**RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Congestion																											
Hemorrhage																											
Infiltration Cellular, Histiocyte																											
Inflammation, Chronic																											
Metaplasia, Osseous																											

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0 0																								
	6 6 6 7 5 7 7 7 7 7 5 7 7 7 7 7 6 5 7 7 7 4 7 5																								
ANIMAL ID	7 5 9 3 2 3 3 2 3 3 7 0 3 2 2 3 2 2 9 2 2 0 7 2 3																								
	5 3 8 0 1 1 0 9 0 1 1 5 1 9 9 1 9 7 6 9 9 3 1 9 4																								
<b>B6C3F1 MICE MALE</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
<b>30 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	2	3	4	5	6	7	8	9	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

males (cont...)

Alveolar Epithelium, Hyperplasia	1																								
Nose Inflammation, Chronic	+ +																								
Respiratory Epithelium, Hyperplasia	2																								
Respiratory Epithelium, Metaplasia, Squamous	2																								
Trachea Inflammation, Chronic	+ +																								

**SPECIAL SENSES SYSTEM**

Eye Inflammation, Chronic Active	A +																								
Cornea, Hyperplasia	2																								
Retina, Vacuolization Cytoplasmic	2																								
Harderian Gland Hyperplasia, Focal	+ +																								

**URINARY SYSTEM**

Kidney Cyst	A +																								
Hyperplasia, Lymphoid	2																								
Metaplasia, Osseous	2																								

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 + .. Tissue examined microscopically  
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 I .. Insufficient tissue  
 M .. Missing tissue  
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 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
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 2) Mild 4) Marked  
 Page 45

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0 0																									
	6 6 6 7 5 7 7 7 7 7 5 7 7 7 7 7 6 5 7 7 7 4 7 5																									
ANIMAL ID	7 5 9 3 2 3 3 2 3 3 7 0 3 2 2 3 2 2 9 2 2 0 7 2 3																									
	5 3 8 0 1 1 0 9 0 1 1 5 1 9 9 1 9 7 6 9 9 3 1 9 4																									
<b>B6C3F1 MICE MALE</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	<b>males (cont...)</b>
<b>30 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	
Nephropathy		1	1	2	1	3	2	2	1	2		2	2	2	2		2	2	4	2	3		2	1		
Renal Tubule, Hyperplasia																	1									
Renal Tubule, Necrosis												4														
Urinary Bladder	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia, Lymphoid																										

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 + .. Tissue examined microscopically  
 x .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
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 2) Mild 4) Marked  
 Page 46



TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 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			
	7	7	7	7	7	7	7	5	7	7	5	7	7	7	7	7	7	7	7	7	7	7	6	7			
	3	2	2	2	3	3	2	3	2	3	7	3	3	1	3	3	3	2	3	2	3	3	3	4	3		
	0	9	9	9	0	1	9	0	9	1	1	0	0	9	0	0	0	9	0	9	0	1	0	9	0		
<b>B6C3F1 MICE MALE</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	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
<b>30 MG/KG</b>	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	5		
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0		
Eosinophilic Focus			X		X					X	X				X	X			X	X		X	X			<b>16</b>	
Hematopoietic Cell Proliferation																										<b>4 1.3</b>	
Mixed Cell Focus					X																					<b>2</b>	
Necrosis, Focal																										<b>8 2.6</b>	
Thrombosis																										<b>1 2.0</b>	
Hepatocyte, Vacuolization Cytoplasmic																										<b>1 2.0</b>	
.....																											
Mesentery																											<b>8</b>
Fibrosis																											<b>1 2.0</b>
Fat, Necrosis																											<b>7 2.0</b>
.....																											
Pancreas																											<b>50</b>
Lipomatosis																											<b>1 3.0</b>
.....																											
Salivary Glands																											<b>50</b>
Atrophy																											<b>2 1.5</b>
Hyperplasia, Lymphoid																											<b>11 2.0</b>
Mineralization																											<b>1 1.0</b>
.....																											
Stomach, Forestomach																											<b>50</b>
Edema																											<b>1 2.0</b>
Erosion																											<b>2 2.0</b>
Inflammation, Chronic																											<b>3 1.7</b>
Ulcer																											<b>5 2.4</b>
Epithelium, Hyperplasia																											<b>7 2.1</b>
.....																											
Stomach, Glandular																											<b>49</b>
Cyst																											<b>13 2.0</b>
Erosion																											<b>3 1.7</b>

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



TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0 0																								* TOTALS
	7 7 7 7 7 7 7 5 7 7 5 7 7 7 7 7 7 7 7 7 7 7 6 7																								
B6C3F1 MICE MALE 30 MG/KG	3 2 2 2 3 3 2 3 2 3 7 3 3 1 3 3 3 2 3 2 3 3 3 4 3																								* TOTALS
	0 9 9 9 0 1 9 0 9 1 1 0 0 9 0 0 0 9 0 9 0 1 0 9 0																								
ANIMAL ID	0 0																								* TOTALS
	1 1																								
30 MG/KG	2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 5																								* TOTALS
	6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0																								

Inflammation, Acute	2																								5	1.8
Metaplasia, Squamous																									2	2.0
Mineralization																									2	1.0
Necrosis	1																								1	1.0

**CARDIOVASCULAR SYSTEM**

Blood Vessel	+																								1	
Heart	+																								50	
Cardiomyopathy	1																								8	1.3
Mineralization	1																								2	1.0

**ENDOCRINE SYSTEM**

Adrenal Cortex	+																								50	
Accessory Adrenal Cortical Nodule	2																								2	1.5
Degeneration, Fatty	1																								9	1.4
Hyperplasia, Focal	1																								1	2.0
Hypertrophy, Focal	4																								20	2.1
Capsule, Hyperplasia	1																								40	1.7
Adrenal Medulla	+																								50	
Hyperplasia	1																								1	1.0
Islets, Pancreatic	+																								50	
Hyperplasia	2																								28	1.8

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 2) Mild 4) Marked  
 Page 49



TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

	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
	7	7	7	7	7	7	7	5	7	7	5	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
	3	2	2	2	3	3	2	3	2	3	7	3	3	1	3	3	3	2	3	2	3	3	3	4	3	
	0	9	9	9	0	1	9	0	9	1	1	0	0	9	0	0	9	0	9	0	9	0	1	0	0	
<b>B6C3F1 MICE MALE</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	
<b>30 MG/KG</b>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	2	2	2	2	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	5	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	<b>* TOTALS</b>
Cyst																		2	2						2	<b>7 2.0</b>
Hyperplasia																										<b>1 2.0</b>
Inflammation, Chronic						2		2						2				2		1			2			<b>12 2.1</b>
Inflammation, Chronic Active									2	3								2						3		<b>4 2.5</b>
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>50</b>
Inflammation, Chronic																	2						2		2	<b>6 2.0</b>
Epithelium, Hyperplasia	1		2		2	2	1					1		1	2							1				<b>16 1.6</b>
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>50</b>
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>50</b>
Angiectasis																										<b>1 3.0</b>
Germinal Epithelium, Atrophy																										<b>1 2.0</b>
Interstitial Cell, Hyperplasia						2																				<b>1 2.0</b>

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>50</b>
Myelofibrosis																										<b>1 2.0</b>
Lymph Node																										
Iliac, Hemorrhage																										<b>4</b>
Iliac, Hyperplasia, Lymphoid																										<b>1 2.0</b>
																										<b>1 2.0</b>
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>50</b>
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>49</b>

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 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0 0																								* TOTALS
	7 7 7 7 7 7 7 5 7 7 5 7 7 7 7 7 7 7 7 7 7 7 6 7																								
ANIMAL ID	3 2 2 2 3 3 2 3 2 3 7 3 3 1 3 3 3 2 3 2 3 3 3 4 3																								* TOTALS
	0 9 9 9 0 1 9 0 9 1 1 0 0 9 0 0 9 0 9 0 9 0 1 0 9 0																								
<b>B6C3F1 MICE MALE</b>	0 0																								
<b>30 MG/KG</b>	1 1																								
	2 2 2 2 3																								
	6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 4 4 4 4 4 4																								

Atrophy	2																								4	2.0
Hematopoietic Cell Proliferation																									2	3.0
Hemorrhage																									2	2.0
Hyperplasia, Lymphoid																									2	2.5
Hyperplasia, Plasma Cell																									3	2.0
Infiltration Cellular, Neutrophil																									2	2.0
Spleen	+ +																								49	
Fibrosis																									1	2.0
Hematopoietic Cell Proliferation																									16	3.6
Lymphoid Follicle, Atrophy																									2	2.5
Lymphoid Follicle, Hyperplasia																									2	2.0
Thymus	+ + + + + + + + + + + + + + + + + + M + + + + + +																								46	
Cyst	2																								4	2.0

**INTEGUMENTARY SYSTEM**

Mammary Gland	+ +																								50	
Skin	+ +																								50	
Cyst Epithelial Inclusion																									1	
Edema																									1	2.0
Hyperkeratosis																									1	1.0
Inflammation, Chronic																									2	1.0
Ulcer																									1	4.0
Epidermis, Site Of Application, Hyperplasia	1																								29	1.2
Prepuce, Hyperkeratosis																									1	3.0
Site Of Application, Fibrosis	1																								5	2.0

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**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

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DAY ON TEST	0 0																								* TOTALS
	7 7 7 7 7 7 7 5 7 7 5 7 7 7 7 7 7 7 7 7 7 7 6 7																								
ANIMAL ID	3 2 2 2 3 3 2 3 2 3 7 3 3 1 3 3 3 2 3 2 3 3 3 4 3																								
	0 9 9 9 0 1 9 0 9 1 1 0 0 9 0 0 0 9 0 9 0 1 0 9 0																								
<b>B6C3F1 MICE MALE</b>	0 0																								
<b>30 MG/KG</b>	1 1																								
	2 2 2 2 3																								
	6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0																								
Site Of Application, Hyperkeratosis	1																								26 1.3
Site Of Application, Hyperplasia, Melanocyte	1 1																								23 1.2
Site Of Application, Inflammation, Chronic	1																								15 1.2
Site Of Application, Ulcer	3 3																								2 3.5

**MUSCULOSKELETAL SYSTEM**

Bone	+ +																								50
Osteopetrosis																									1 3.0
Cranium, Osteopetrosis																									2 2.0
Skeletal Muscle																									+ 1

**NERVOUS SYSTEM**

Brain	+ +																								50
Hemorrhage																									1 4 1.3

**RESPIRATORY SYSTEM**

Lung	+ +																								50
Congestion																									1 1.0
Hemorrhage	1																								2 1.0
Infiltration Cellular, Histiocyte	1 4																								8 1.9
Inflammation, Chronic	2																								1 2.0
Metaplasia, Osseous	1																								1 1.0

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 Page 53

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
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 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

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DAY ON TEST	0 0																							
	7 7 7 7 7 7 7 5 7 7 5 7 7 7 7 7 7 7 7 7 7 7 6 7																							
ANIMAL ID	3 2 2 2 3 3 2 3 2 3 7 3 3 1 3 3 3 2 3 2 3 3 3 3																							
	0 9 9 9 0 1 9 0 9 1 1 0 0 9 0 0 9 0 9 0 9 0 1 0 0																							
<b>B6C3F1 MICE MALE</b>	0 0																							
<b>30 MG/KG</b>	0 0																							
	1 1																							
	2 2 2 2 3																							
	6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0																							
	<b>* TOTALS</b>																							

Alveolar Epithelium, Hyperplasia	4 4 3 1																								<b>5 2.6</b>
Nose	+ +																								<b>50</b>
Inflammation, Chronic																									<b>5 2.0</b>
Respiratory Epithelium, Hyperplasia	3																								<b>2 2.5</b>
Respiratory Epithelium, Metaplasia, Squamous	2																								<b>1 2.0</b>
Trachea	+ +																								<b>50</b>
Inflammation, Chronic	2																								<b>1 2.0</b>

**SPECIAL SENSES SYSTEM**

Eye	+ A +																								<b>48</b>
Inflammation, Chronic Active	2																								<b>1 2.0</b>
Cornea, Hyperplasia	2																								<b>1 2.0</b>
Retina, Vacuolization Cytoplasmic																									<b>1 2.0</b>
Harderian Gland	+ +																								<b>50</b>
Hyperplasia, Focal	1																								<b>1 1.0</b>

**URINARY SYSTEM**

Kidney	+ +																								<b>49</b>
Cyst	2																								<b>7 2.0</b>
Hyperplasia, Lymphoid	2 2 2 2																								<b>10 2.0</b>
Metaplasia, Osseous	1 2 2																								<b>4 1.8</b>

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**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
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DAY ON TEST	0 0																								* TOTALS
	7 7 7 7 7 7 7 5 7 7 5 7 7 7 7 7 7 7 7 7 7 7 6 7																								
ANIMAL ID	3 2 2 2 3 3 2 3 2 3 7 3 3 1 3 3 3 2 3 2 3 3 3 4 3																								* TOTALS
	0 9 9 9 0 1 9 0 9 1 1 0 0 9 0 0 0 9 0 9 0 9 0 9 0																								
<b>B6C3F1 MICE MALE</b>	0 0																								
<b>30 MG/KG</b>	1 1																								
	2 2 2 2 3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 5																								
	6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0																								
Nephropathy	2	1	2	1	1	1	1	1	1	1	4	1	2	1	1	2	2	2	2	1	1	2	3	4	<b>45</b>
Renal Tubule, Hyperplasia													1												<b>2</b>
Renal Tubule, Necrosis																									<b>1</b>
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>49</b>
Hyperplasia, Lymphoid					2																				<b>1</b>

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 2) Mild 4) Marked  
 Page 55

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
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 Lab: SRI

DAY ON TEST	0 0																							
	6 7 7 6 7 7 7 7 7 7 7 7 7 7 6 7 7 7 7 6 7 7 7 7																							
ANIMAL ID	7 3 3 4 3 3 3 3 2 3 2 2 2 2 3 3 2 3 3 3 5 2 3 2 3																							
	6 0 0 5 0 1 0 0 8 0 9 9 9 9 0 0 9 0 1 1 9 3 0 9 1																							
<b>B6C3F1 MICE MALE</b>	0 0																							
<b>90 MG/KG</b>	0 0																							
	1 1																							
	5 5 5 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 7 7 7 7																							
	1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5																							
	<b>males (cont...)</b>																							

**ALIMENTARY SYSTEM**

Esophagus	+ +																							
Gallbladder Inflammation, Acute	A + + A + + + + A + + + + + A + M + + + M A + + + 1																							
Intestine Large, Cecum	A + + + + + + + A + + + + + + + + + + + + + + + +																							
Intestine Large, Colon	A + + A + + + + A + + + + + A + + + + + + + A + + +																							
Intestine Large, Rectum	A + + + + + + + A + + + + + + + + + + + + + A + + +																							
Intestine Small, Duodenum Hemorrhage	A + + A + + + + A + + + + + A + + + + + + + A + + +																							
Intestine Small, Ileum Inflammation, Chronic	A + + A + + + + A + + + + + A + + + + + + + A + + +																							
Intestine Small, Jejunum Inflammation, Chronic	A + + A + + + + A + + + + + A + + + + + + + A + + +																							
Liver Basophilic Focus	+ + + + + + + + A + + + + + + + + + + + + + + + +																							
Liver Basophilic Focus, Multiple	X X X X X X X X																							
Liver Clear Cell Focus	X X X X X X X X																							
Liver Cyst	4 2																							

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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
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**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
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 Lab: SRI

	DAY ON TEST																									males (cont...)
	0 6 7 6	0 7 3 0	0 7 3 0	0 6 4 5	0 7 3 0	0 7 3 1	0 7 3 0	0 7 3 0	0 7 3 8	0 7 2 0	0 7 2 9	0 7 2 9	0 7 2 9	0 6 3 0	0 7 3 0	0 7 2 3	0 7 3 3	0 7 3 3	0 6 5 9	0 7 2 3	0 7 3 0	0 7 2 9	0 7 2 1	0 7 3 9		
<b>B6C3F1 MICE MALE</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		
<b>90 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
ANIMAL ID	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	7	7	7			
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3			
Eosinophilic Focus	X													X		X	X	X		X	X	X	X			
Hematopoietic Cell Proliferation										1	1	1							1				1			
Mixed Cell Focus	X			X		X																				
Necrosis, Focal				2										2						4						
Thrombosis																						1				
Hepatocyte, Hypertrophy												2														
Mesentery																										
Fibrosis																										
Hemorrhage																										
Inflammation, Chronic																										
Artery, Hyperplasia																										
Fat, Necrosis																										
Pancreas	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Hyperplasia, Lymphoid			2	2		2								2			2				2					
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Cyst																										
Inflammation, Chronic																	2		2							
Ulcer																							2			
Epithelium, Hyperplasia												1							3				3			
Stomach, Glandular	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Cyst										2	2															
Erosion																										
Hemorrhage						1																				

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 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0 0																								
	6 7 7 6 7 7 7 7 7 7 7 7 7 7 6 7 7 7 7 6 7 7 7 7																								
B6C3F1 MICE MALE 90 MG/KG	7 3 3 4 3 3 3 3 2 3 2 2 2 2 3 3 2 3 3 3 5 2 3 2 3																								
	6 0 0 5 0 1 0 0 8 0 9 9 9 9 0 0 9 0 1 1 9 3 0 9 1																								
ANIMAL ID	0 0																								
	0 0																								
90 MG/KG	1 1																								
	5 5 5 5 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 7 7 7 7																								
																									males (cont...)
																									1

Inflammation, Acute 2  
 Inflammation, Chronic 2 2  
 Metaplasia, Squamous 1

**CARDIOVASCULAR SYSTEM**

Heart	+ +																								
Cardiomyopathy	1 1																								
Mineralization																									
Artery, Inflammation, Chronic	2																								

**ENDOCRINE SYSTEM**

Adrenal Cortex	+ + + + + + + + A + + + + + + + + + + + + + + + +																								
Accessory Adrenal Cortical Nodule	2 1 1																								
Degeneration, Fatty	1 2 1 1																								
Hypertrophy, Focal	3 1 3 4 1 2 2																								
Capsule, Hyperplasia	1 1 2 1 2 4 2 2 2 1 2 3 2 1 1 2																								
Adrenal Medulla	+ + + + + + + + A + + + + + + + + + + + + + + + +																								
Hyperplasia	1 2 1																								
Islets, Pancreatic	+ + + + + + + + A + + + + + + + + + + + + + + + +																								
Hyperplasia	2 2 2 1 2 1 1 1 1 1 2																								
Parathyroid Gland	+ + + + I M + + + + + + M + + + + + + + + + + +																								

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DAY ON TEST	0 0																								
	6 7 7 6 7 7 7 7 7 7 7 7 7 7 6 7 7 7 7 6 7 7 7 7																								
ANIMAL ID	7 3 3 4 3 3 3 3 2 3 2 2 2 2 3 3 2 3 3 3 5 2 3 2 3																								
	6 0 0 5 0 1 0 0 8 0 9 9 9 9 0 0 9 0 1 1 9 3 0 9 1																								
<b>B6C3F1 MICE MALE</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
<b>90 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

males  
(cont...)

Pituitary Gland	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Cyst																									
Pars Distalis, Hyperplasia, Focal													3								1				
Thyroid Gland	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Follicle, Degeneration, Focal																									
Follicular Cell, Hyperplasia, Focal																									1

**GENERAL BODY SYSTEM**  
 NONE

**GENITAL SYSTEM**

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis																									
Inflammation, Chronic				1																					
Spermatocele										2															
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst					2																				
Inflammation, Chronic	3				2		2							2	2										2
Inflammation, Chronic Active		4		2								4						4					1	3	
Prostate	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis				2																					
Cyst									3						2										
Inflammation, Chronic							2	1		1															
Polyarteritis											2							2							

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DAY ON TEST	0 0																								
	6 7 7 6 7 7 7 7 7 7 7 7 7 7 6 7 7 7 7 6 7 7 7 7																								
ANIMAL ID	7 3 3 4 3 3 3 3 2 3 2 2 2 2 3 3 2 3 3 3 5 2 3 2 3																								
	6 0 0 5 0 1 0 0 8 0 9 9 9 9 0 0 9 0 1 1 9 3 0 9 1																								
<b>B6C3F1 MICE MALE</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
<b>90 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

males  
(cont...)

Epithelium, Hyperplasia	1	2	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Seminal Vesicle	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrosis																								
Infiltration Cellular																								
Inflammation, Chronic																								
Epithelium, Hyperplasia																								
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis																								
Germinal Epithelium, Atrophy																								

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia																								2
Infiltration Cellular, Histiocyte																								
Thrombosis																								
Lymph Node																								
Iliac, Hemorrhage																								
Inguinal, Hyperplasia																								
Inguinal, Hyperplasia, Lymphoid																								
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy																								
Hematopoietic Cell Proliferation																								
Hyperplasia, Lymphoid																								

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 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

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 Lab: SRI

DAY ON TEST	0 0																								
	6 7 7 6 7 7 7 7 7 7 7 7 7 7 6 7 7 7 7 7 6 7 7 7 7																								
ANIMAL ID	7 3 3 4 3 3 3 3 2 3 2 2 2 2 3 3 2 3 3 3 5 2 3 2 3																								
	6 0 0 5 0 1 0 0 8 0 9 9 9 9 0 0 9 0 1 1 9 3 0 9 1																								
<b>B6C3F1 MICE MALE</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
<b>90 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

males (cont...)

Hyperplasia, Plasma Cell																										
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	M	A	+	+	+
Atrophy																										
Fibrosis																										
Hemorrhage																										
Hyperplasia, Histiocytic																										
Hyperplasia, Lymphoid																										
Hyperplasia, Plasma Cell																										
Infiltration Cellular, Neutrophil																										
Inflammation, Chronic																										
Spleen	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic Cell Proliferation																										
Necrosis																										
Lymphoid Follicle, Atrophy																										
Lymphoid Follicle, Hyperplasia																										
Thymus	+	I	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	M	+	+	M	+
Cyst																										

**INTEGUMENTARY SYSTEM**

Mammary Gland																									
Infiltration Cellular																									
Skin																									
Hyperkeratosis																									

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 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0 0																								
	6 7 7 6 7 7 7 7 7 7 7 7 7 7 6 7 7 7 7 7 6 7 7 7 7																								
ANIMAL ID	7 3 3 4 3 3 3 3 2 3 2 2 2 2 3 3 2 3 3 3 5 2 3 2 3																								
	6 0 0 5 0 1 0 0 8 0 9 9 9 9 0 0 9 0 1 1 9 3 0 9 1																								
<b>B6C3F1 MICE MALE</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
<b>90 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

males  
(cont...)

**RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Lymphoid					2			2																	
Infiltration Cellular, Histiocyte		1			2			3				4		1										1	
Alveolar Epithelium, Hyperplasia			3		2																2				
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body										X															
Inflammation, Suppurative																					2				
Inflammation, Chronic										2			2												
Inflammation, Chronic Active																				3					
Respiratory Epithelium, Hyperplasia										1															
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

**SPECIAL SENSES SYSTEM**

Eye	A	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+
Atrophy																									
Fibrosis																									
Inflammation, Chronic																									
Inflammation, Chronic Active																									
Cornea, Hyperplasia																									
Cornea, Necrosis																									
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

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 CAS Number: 1896-62-4

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DAY ON TEST	0 0																									males (cont...)
	6	7	7	6	7	7	7	7	7	7	7	7	7	6	7	7	7	7	6	7	7	7	7	0		
90 MG/KG	7 3 3 4 3 3 3 3 2 3 2 2 2 2 3 3 2 3 3 3 5 2 3 2 3																									males (cont...)
	6	0	0	5	0	1	0	0	8	0	9	9	9	9	0	0	9	0	1	1	9	3	0	9	1	
B6C3F1 MICE MALE	0 0																									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	
ANIMAL ID	1 1																									males (cont...)
	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	
1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	males (cont...)	
Hyperplasia, Focal Inflammation, Chronic Metaplasia, Osseous																2					2				2	

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+
Cyst					2	2																2				
Hyperplasia, Lymphoid		2	2	2			2	2					2						2	2	2				2	
Infarct		1																								
Metaplasia, Osseous																		1								
Nephropathy		2	2		1	2	2	3		2	1	1	2	2	1	1	1	3	1	2	2			2	2	2
Capsule, Fibrosis																										
Capsule, Pigmentation																										
Pelvis, Dilatation																										
Renal Tubule, Accumulation, Hyaline Droplet																										
Renal Tubule, Dilatation, Focal																										
Renal Tubule, Necrosis																										
Renal Tubule, Pigmentation										1																
Urinary Bladder	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Lymphoid					2																					

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 Page 64  
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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0 0																								* TOTALS
	7 7 7 5 7 7 7 7 7 6 7 7 7 7 7 7 7 7 7 7 7 5 7 7																								
ANIMAL ID	2 3 3 9 2 2 2 3 2 7 3 2 2 2 1 1 3 3 2 3 3 2 2 3 2																								
	9 0 0 0 9 9 9 0 9 3 1 9 9 0 9 8 0 0 9 0 0 9 1 0 9																								
<b>B6C3F1 MICE MALE</b> <b>90 MG/KG</b>	0 0																								
	0 0																								
	1 1																								
	7 7 7 7 8 8 8 8 8 8 8 8 8 8 8 8 9 9 9 9 9 9 9 9																								
	6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0																								

**ALIMENTARY SYSTEM**

Esophagus	+ +																								50
Gallbladder Inflammation, Acute	+ M + + M + + + + A + + + A A + + + + + + + + + +																								38 1 1.0
Intestine Large, Cecum	+ + + + + + + + + A + + + + A + + + + + + + + + +																								46
Intestine Large, Colon	+ + + + + + + + + A + + + + A + + + + + + + + + +																								43
Intestine Large, Rectum	+ + + + + + + + + + + + + + + A + + + + + + + + + +																								46
Intestine Small, Duodenum Hemorrhage	+ + + + + + + + + A + + + + A 2 + + + + + + + + + +																								43 1 2.0
Intestine Small, Ileum Inflammation, Chronic	+ + + + + + + + + A + + + + A + + + + + + 3 + + + +																								43 1 3.0
Intestine Small, Jejunum Inflammation, Chronic	+ + + + + + + + + + + + + + A + + + + + + 4 + + + +																								44 1 4.0
Liver Basophilic Focus	+ +																								49
Liver Basophilic Focus, Multiple																									3
Liver Clear Cell Focus	X																								1
Liver Cyst	X X X X X																								18 2 3.0

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 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	5	7	7	7	7	7	6	7	7	7	7	7	7	7	7	7	7	7	5	7	7	
<b>90 MG/KG</b>	2	3	3	9	2	2	2	3	2	7	3	2	2	2	1	1	3	3	2	3	3	2	2	3	2
	9	0	0	0	9	9	9	0	9	3	1	9	9	0	9	8	0	0	9	0	0	9	1	0	9
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	0
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
Eosinophilic Focus				X				X		X												X			13
Hematopoietic Cell Proliferation				1														1							7 1.0
Mixed Cell Focus													X												4
Necrosis, Focal										2					4		4								6 3.0
Thrombosis																									1 1.0
Hepatocyte, Hypertrophy																									1 2.0
Mesentery																									6
Fibrosis																									1 2.0
Hemorrhage																									1 2.0
Inflammation, Chronic																									1 3.0
Artery, Hyperplasia																									1 3.0
Fat, Necrosis										2															4 1.8
Pancreas																									49
Salivary Glands																									50
Hyperplasia, Lymphoid																									10 2.0
Stomach, Forestomach																									50
Cyst																									1 2.0
Inflammation, Chronic																									3 2.0
Ulcer																									1 2.0
Epithelium, Hyperplasia																									6 2.3
Stomach, Glandular																									48
Cyst																									5 2.0
Erosion																									1 1.0
Hemorrhage																									1 1.0

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 x .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked  
 Page 66

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0																							* TOTALS	
	7	7	7	5	7	7	7	7	7	6	7	7	7	7	7	7	7	7	7	7	7	5	7		7
B6C3F1 MICE MALE 90 MG/KG	ANIMAL ID																								
	2	3	3	9	2	2	2	3	2	7	3	2	2	2	1	1	3	3	2	3	3	2	2		3
	9	0	0	0	9	9	9	0	9	3	1	9	9	0	9	8	0	0	9	0	0	9	1	0	9
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

Inflammation, Acute	1	2.0
Inflammation, Chronic	2	2.0
Metaplasia, Squamous	1	1.0

**CARDIOVASCULAR SYSTEM**

Heart	+																							50		
Cardiomyopathy																									4	1.5
Mineralization																									1	1.0
Artery, Inflammation, Chronic																									1	2.0

**ENDOCRINE SYSTEM**

Adrenal Cortex	+																							49		
Accessory Adrenal Cortical Nodule																									8	1.4
Degeneration, Fatty																									6	1.3
Hypertrophy, Focal																									12	2.3
Capsule, Hyperplasia	1	1	1	2	2	2	3	2	1	2	2	2	3	1	2	1	2	2	1						36	1.8
Adrenal Medulla	+																							49		
Hyperplasia																									5	1.2
Islets, Pancreatic	+																							49		
Hyperplasia																									19	1.5
Parathyroid Gland	+																							45		

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 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked  
 Page 67



TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0																								* TOTALS
	7	7	7	5	7	7	7	7	7	6	7	7	7	7	7	7	7	7	7	7	7	5	7	7	
ANIMAL ID	0																								
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>B6C3F1 MICE MALE</b>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	
<b>90 MG/KG</b>	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	0	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	

Epithelium, Hyperplasia			1			2	2					2	2	2					2	1	2	1	1	2	<b>25</b>	<b>1.5</b>
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>49</b>	
Fibrosis																		2								<b>1 2.0</b>
Infiltration Cellular																		3								<b>2 3.0</b>
Inflammation, Chronic																		1								<b>1 1.0</b>
Epithelium, Hyperplasia						1																				<b>1 1.0</b>
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>50</b>	
Angiectasis								3																		<b>1 3.0</b>
Germinal Epithelium, Atrophy		3																								<b>1 3.0</b>

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>50</b>	
Hyperplasia																										<b>1 2.0</b>
Infiltration Cellular, Histiocyte																										<b>1 2.0</b>
Thrombosis										3																<b>1 3.0</b>
Lymph Node																									<b>6</b>	
Iliac, Hemorrhage																										<b>1 4.0</b>
Inguinal, Hyperplasia																										<b>1 2.0</b>
Inguinal, Hyperplasia, Lymphoid																										<b>1 3.0</b>
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	<b>49</b>	
Atrophy																										<b>1 1.0</b>
Hematopoietic Cell Proliferation		2																								<b>1 2.0</b>
Hyperplasia, Lymphoid	4																				4					<b>6 3.0</b>

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 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0 0																								* TOTALS	
	7 7 7 5 7 7 7 7 7 6 7 7 7 7 7 7 7 7 7 7 7 5 7 7																									
ANIMAL ID	2 3 3 9 2 2 2 3 2 7 3 2 2 2 1 1 3 3 2 3 3 2 2 3 2																									
	9 0 0 0 9 9 9 0 9 3 1 9 9 0 9 8 0 0 9 0 0 9 1 0 9																									
<b>B6C3F1 MICE MALE</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	
<b>90 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	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
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	0
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	

Hyperplasia, Plasma Cell	4																									<b>1 4.0</b>	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	M	+	+	+	+	+	+	+	+	<b>45</b>	
Atrophy							1							1		2		3				4				<b>8 2.1</b>	
Fibrosis																										<b>1 4.0</b>	
Hemorrhage						3																				<b>2 3.5</b>	
Hyperplasia, Histiocytic																							4			<b>1 4.0</b>	
Hyperplasia, Lymphoid					4				3												4		4			<b>6 3.7</b>	
Hyperplasia, Plasma Cell					4																4		4			<b>4 4.0</b>	
Infiltration Cellular, Neutrophil																							3			<b>3 2.3</b>	
Inflammation, Chronic																										<b>1 4.0</b>	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>49</b>	
Hematopoietic Cell Proliferation	3	4	3	3	4		3	3						4		4					3		3		4	<b>20 3.3</b>	
Necrosis																										<b>1 2.0</b>	
Lymphoid Follicle, Atrophy															2											<b>2 1.5</b>	
Lymphoid Follicle, Hyperplasia																										<b>3 1.3</b>	
Thymus	M	+	+	+	+	+	+	+	I	+	+	+	+	+	M	M	+	+	+	+	+	+	+	M	+	+	<b>40</b>
Cyst							2																			<b>4 2.0</b>	

**INTEGUMENTARY SYSTEM**

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>50</b>
Infiltration Cellular																										<b>1 4.0</b>
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>50</b>
Hyperkeratosis												1		1								1				<b>5 1.0</b>

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 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked  
 Page 70

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

Inflammation, Chronic																								1	1	1	1	6	1.0											
Epidermis, Hyperplasia																								1	1	4	1.0													
Epidermis, Site Of Application, Hyperplasia	2																			1	2	2	3	2	3	3	1	1	1	2	1	2	2	1	2	2	37	1.6		
Site Of Application, Fibrosis																								1	1.0															
Site Of Application, Hyperkeratosis	2																			1	1	2	2	1	3	2	2	2	1	1	1	2	1	2	2	1	2	2	40	1.6
Site Of Application, Hyperplasia, Melanocyte	2	3	1	2	3	3	2	3	3	3	2	2	3	3	2	2	2	2	3	3	3	3	2	44	2.2															
Site Of Application, Inflammation, Chronic	2	2	2	2	2	1	3	2	2	3	1	1	2	2	1	2	2	2	2	2	43	1.7																		
Site Of Application, Ulcer																								1	2	5	1.6													
Site Of Application, Subcutaneous Tissue, Hemorrhage																								2	2	1	2.0													
Subcutaneous Tissue, Hemorrhage																								2	2.0															

**MUSCULOSKELETAL SYSTEM**

Bone	+ +																							50
Skeletal Muscle																								1

**NERVOUS SYSTEM**

Brain	+ +																							50	
Compression																								1	2.0
Congestion																								1	2.0
Hemorrhage																								1	1.4
Hyperplasia, Lymphoid																								1	1.0
Infiltration Cellular, Histiocyte, Focal																								2	2.0

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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0 0																							
	7 7 7 5 7 7 7 7 7 6 7 7 7 7 7 7 7 7 7 7 7 5 7 7																							
ANIMAL ID	2 3 3 9 2 2 2 3 2 7 3 2 2 2 1 1 3 3 2 3 3 2 2 3 2																							
	9 0 0 0 9 9 9 0 9 3 1 9 9 0 9 8 0 0 9 0 0 9 1 0 9																							
<b>B6C3F1 MICE MALE</b>	0 0																							
<b>90 MG/KG</b>	0 0																							
	1 1																							
	7 7 7 7 8 8 8 8 8 8 8 8 8 8 9 9 9 9 9 9 9 9 9 9																							
	6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0																							
	<b>* TOTALS</b>																							

**RESPIRATORY SYSTEM**

Lung	+ +																								50
Hyperplasia, Lymphoid Infiltration Cellular, Histiocyte																									2 2.0
Alveolar Epithelium, Hyperplasia	1 1 3 4 2 4 3 3 4 1 2																								12 2.1 8 2.8
Nose	+ +																								50
Foreign Body	X X																								3
Inflammation, Suppurative	1																								2 1.5
Inflammation, Chronic	1																								3 1.7
Inflammation, Chronic Active	2																								2 2.5
Respiratory Epithelium, Hyperplasia																									1 1.0
Trachea	+ +																								50

**SPECIAL SENSES SYSTEM**

Eye	+ + + + + + + + + + A + + + + + A + + + + + + + + + + + +																								45
Atrophy	4																								1 4.0
Fibrosis																									3
Inflammation, Chronic	4																								1 4.0
Inflammation, Chronic Active	1																								4 2.8
Cornea, Hyperplasia	1																								4 3.0
Cornea, Necrosis	3																								1 3.0
Harderian Gland	+ +																								50

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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0 0																								
	7 7 7 5 7 7 7 7 7 6 7 7 7 7 7 7 7 7 7 7 7 5 7 7																								
ANIMAL ID	2 3 3 9 2 2 2 3 2 7 3 2 2 2 1 1 3 3 2 3 3 2 2 3 2																								
	9 0 0 0 9 9 9 0 9 3 1 9 9 0 9 8 0 0 9 0 0 9 1 0 9																								
<b>B6C3F1 MICE MALE</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
<b>90 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
	<b>* TOTALS</b>																								

Hyperplasia, Focal 2 **3 2.0**  
 Inflammation, Chronic 2 **2 2.0**  
 Metaplasia, Osseous 1 **1 2.0**

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	47
Cyst					2				2								2			2				2	2	<b>9 2.0</b>
Hyperplasia, Lymphoid	2	2	2		2					2		2		2							2					<b>18 2.0</b>
Infarct																					3					<b>2 2.0</b>
Metaplasia, Osseous									2									3								<b>3 2.0</b>
Nephropathy	1	4	2	3	2	2	1	1	1	1	1	1	1	2		1	1	1	2	2	1	1	2	1	1	<b>45 1.6</b>
Capsule, Fibrosis				2																						<b>1 2.0</b>
Capsule, Pigmentation				2																						<b>1 2.0</b>
Pelvis, Dilatation									2																	<b>1 2.0</b>
Renal Tubule, Accumulation, Hyaline Droplet																	3									<b>1 3.0</b>
Renal Tubule, Dilatation, Focal																										<b>1 2.0</b>
Renal Tubule, Necrosis																										<b>1 1.0</b>
Renal Tubule, Pigmentation																										<b>1 1.0</b>
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	48
Hyperplasia, Lymphoid																										<b>1 2.0</b>

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

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 2) Mild 4) Marked  
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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

	DAY ON TEST																										females (cont...)
		0 7 3 2	0 7 3 2	0 7 3 3	0 7 1 9	0 7 3 2	0 7 3 2	0 2 8 5	0 7 3 2	0 6 4 9	0 7 3 3	0 7 3 2	0 7 3 3	0 7 3 2	0 7 3 1	0 6 9 8	0 6 7 8	0 7 3 3	0 7 3 3	0 7 3 3	0 7 3 1	0 7 3 3	0 7 3 1	0 7 3 1	0 7 3 1	0 6 9 8	

  

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

**ALIMENTARY SYSTEM**

Esophagus	+ +																								
Gallbladder	+ + + + + + + + + A + + + + + + + A + + + + + + + + +																								
Intestine Large, Cecum	+ + + + + + + + + + + + + + + + + A + + + + + + + + +																								
Intestine Large, Colon	+ + + + + + + + + A + + + + + + + A + + + + + + + + +																								
Intestine Large, Rectum	+ + + + + + + + + A + + + + + + + A + + + + + + + + +																								
Intestine Small, Duodenum	+ + + + + + + + + A + + + + + + + A + + + + + + + + +																								
Intestine Small, Ileum	+ + + + + + + + + A + + + + + + + A + + + + + + + + +																								
Intestine Small, Jejunum	+ + + + + + + + + A + + + + + + + A + + + + + + + + +																								
Liver	+ +																								
Angiectasis	3																								
Basophilic Focus	X																								
Clear Cell Focus																									
Eosinophilic Focus	X X X X X X X X																								
Fatty Change	3																								
Hematopoietic Cell Proliferation	1 2 2 1 1 1																								
Hemorrhage	2																								
Hyperplasia, Lymphoid																									

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

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

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

females  
(cont...)

Inflammation, Chronic	3																								
Mixed Cell Focus	X																								
Necrosis, Focal	2 2																								
Centrilobular, Necrosis																									
Hepatocyte, Vacuolization Cytoplasmic																									
Kupffer Cell, Pigmentation																									
Mesentery	+ +																								
Congestion																									
Fibrosis																									
Fat, Necrosis	2 2																								
Pancreas	+ +																								
Atrophy																									
Hyperplasia, Lymphoid																									
Acinus, Hyperplasia, Focal	2																								
Salivary Glands	+ +																								
Atrophy																									
Hyperplasia, Lymphoid	2 2																								
Mineralization	1 1																								
Stomach, Forestomach	+ +																								
Erosion	1 1																								
Inflammation, Chronic	2																								
Ulcer																									
Epithelium, Hyperplasia	2 2																								
Stomach, Glandular	+ + + + + + + + A + + + + + + + A + + + + + + + + + +																								

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 + .. Tissue examined microscopically  
 x .. Lesion present  
 I .. Insufficient tissue  
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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

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

females  
(cont...)

Cyst 2 2 2 2  
 Mineralization  
 Ulcer  
 Epithelium, Hyperplasia

**CARDIOVASCULAR SYSTEM**

Blood Vessel + +  
 Heart +  
 Cardiomyopathy 1 1  
 Mineralization 1 1 1 1

**ENDOCRINE SYSTEM**

Adrenal Cortex +  
 Accessory Adrenal Cortical Nodule 1 1 1  
 Degeneration, Fatty 4 4  
 Hematopoietic Cell Proliferation 2  
 Hyperplasia, Focal 2 3 2 2 2 3 2 3 2 2 2 2 3 3 2 2 2 2 2 2 2 2 2  
 Capsule, Hyperplasia  
 Adrenal Medulla +  
 Hyperplasia  
 Islets, Pancreatic +  
 Hyperplasia 1 1

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 2) Mild 4) Marked  
 Page 76

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

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

females (cont...)

Parathyroid Gland	+	+	+	M	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	I	+	+	+	+	+	+	+	+	
Pars Distalis, Cyst																									
Pars Distalis, Hyperplasia											4			4											
Pars Distalis, Hyperplasia, Focal										4															
Pars Intermedia, Cyst																						2			
Pars Intermedia, Hyperplasia, Focal																									
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	
Infiltration Cellular, Lymphocyte																									
Follicle, Degeneration, Focal			2	1	1					2	2	3	2	3	1	2	2		1	1			2	3	2
Follicular Cell, Hyperplasia, Focal																							1		3

**GENERAL BODY SYSTEM**

Tissue NOS																								
Fibrosis																								

**GENITAL SYSTEM**

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic																								4
Ovary	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis																								2

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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

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

females (cont...)

Cyst					2	2																						
Hemorrhage						2			3	3	3																	
Thrombosis																												
Interstitial Cell, Hyperplasia																												
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis																												
Hemorrhage																												
Hyperplasia, Cystic	3	4	4	3	4	4			2	4	2	1	4	4	4	4	4	3	4	4	4	3	4	4	3	2		
Vagina																												

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Myelofibrosis																													
Lymph Node																													
Ectasia																													
Hemorrhage																													
Iliac, Ectasia																													
Iliac, Hemorrhage																													
Renal, Hyperplasia, Lymphoid																													
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																													
Hyperplasia, Lymphoid																													

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 + .. Tissue examined microscopically  
 x .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
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 1-4 .. Lesion qualified as:  
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 2) Mild 4) Marked

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

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

females (cont...)

Lymph Node, Mesenteric Atrophy	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Lymphoid						4																		
Hyperplasia, Plasma Cell						2																		
Infiltration Cellular, Neutrophil						1																		
Spleen Angiectasis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic Cell Proliferation			4	3				3		4				2		4				3	2	2	2	3
Pigmentation					1	1	2	1													2	2	1	
Lymphoid Follicle, Atrophy																								
Lymphoid Follicle, Hyperplasia					2	1	2	2	1										3	1	2	1	1	2
Thymus Cyst	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage																						2		
Hyperplasia, Lymphoid										2								2				2	2	

**INTEGUMENTARY SYSTEM**

Mammary Gland Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skin Edema	+	+	+	+	+	+	+	+	+															
Hemorrhage											2													
Hyperkeratosis																								
Hyperplasia, Melanocyte						2																		
Inflammation, Chronic					3																			
																							1	

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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

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

Inflammation, Chronic Active	3																								
Ulcer	3																								
Epidermis, Hyperplasia	3																								
Epidermis, Site Of Application, Hyperplasia	1																						3		
Site Of Application, Erosion																							2		
Site Of Application, Hyperkeratosis	1					1		2															2	2	
Site Of Application, Hyperplasia, Melanocyte							1																		
Site Of Application, Inflammation, Chronic						1								2									2	1	

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+
Cranium, Fibrosis					1									2											
Femur, Fibro-Osseous Lesion																	2		2				1		
Skeletal Muscle																									
Degeneration					+						+														

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage							1						1												
Hyperplasia, Lymphoid													1												
Meninges, Inflammation, Chronic					2																				
Peripheral Nerve																									
Degeneration					+																				

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 + .. Tissue examined microscopically  
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 | .. Insufficient tissue

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 A .. Autolysis precludes evaluation  
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 2) Mild 4) Marked

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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

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

females (cont...)

Inflammation, Chronic	2																								
Spinal Cord	+																								

**RESPIRATORY SYSTEM**

Lung	+ +																								
Congestion																									
Hemorrhage	3																								
Infiltration Cellular, Histiocyte	2																								
Mineralization	1																								
Thrombosis	2																								
Alveolar Epithelium, Hyperplasia	2 1 1																								
Nose	+ +																								
Inflammation, Chronic																									
Pleura	+																								
Trachea	+ +																								

**SPECIAL SENSES SYSTEM**

Eye	+ + + + + + + + + + + + + + + A + + + + + + + + +																								
Harderian Gland	+ +																								
Hyperplasia																									

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 1) Minimal 3) Moderate  
 2) Mild 4) Marked  
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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

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

Hyperplasia, Focal Inflammation, Chronic 2 2 2 2

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst																									
Hyperplasia, Lymphoid		2		2	2	2							2				2	3			2	2			
Infarct																									
Infiltration Cellular, Lipocyte											2														
Metaplasia, Osseous													2												
Mineralization											1				1								1		
Nephropathy	1	1	1	1		2		1		1	2	2	2	1	2		1					1	1	1	
Pelvis, Dilatation															3										
Renal Tubule, Accumulation, Hyaline Droplet																									3
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Lymphoid													2	2							3			2	

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 x .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked  
 Page 82

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

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

**ALIMENTARY SYSTEM**

Esophagus	+																								50			
Gallbladder	+																								44			
Intestine Large, Cecum	+																								47			
Intestine Large, Colon	+																								44			
Intestine Large, Rectum	+																								45			
Intestine Small, Duodenum	+																								43			
Intestine Small, Ileum	+																								43			
Intestine Small, Jejunum	+																								43			
Liver	+																								50			
Angiectasis																									3	2	3 2.7	
Basophilic Focus																											4	
Clear Cell Focus																											6	
Eosinophilic Focus																											16	
Fatty Change																											1 3.0	
Hematopoietic Cell Proliferation																									1	1	1 1	13 1.2
Hemorrhage																											2 3.0	
Hyperplasia, Lymphoid																									2		2 2.0	

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

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 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	
	7	6	7	7	7	7	7	7	7	7	7	6	6	7	7	7	6	7	7	6	6	7	7	6	
	3	1	3	3	3	3	3	3	3	3	3	7	9	3	3	3	8	3	3	7	9	3	3	9	
	3	9	2	3	3	1	3	2	2	1	2	1	5	7	2	2	3	7	1	2	8	2	2	8	
<b>B6C3F1 MICE FEMALE</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	
<b>0 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
	2	2	2	2	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	5	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

Inflammation, Chronic																									1	3.0
Mixed Cell Focus																									1	
Necrosis, Focal								1	1								4		2						6	2.0
Centrilobular, Necrosis																						2			1	2.0
Hepatocyte, Vacuolization Cytoplasmic																						2			1	2.0
Kupffer Cell, Pigmentation			2														2								2	2.0
Mesentery		+					+	+										+	+	+			+		16	
Congestion								2																	1	2.0
Fibrosis																									1	2.0
Fat, Necrosis			2					2										2	2	3			2		15	2.1
Pancreas		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Atrophy													1			4									2	2.5
Hyperplasia, Lymphoid				2																					1	2.0
Acinus, Hyperplasia, Focal																									1	2.0
Salivary Glands		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Atrophy													1												1	1.0
Hyperplasia, Lymphoid				2							2	2				2		2				2	2	20	2.0	
Mineralization											1														3	1.0
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Erosion																									2	1.0
Inflammation, Chronic																									1	2.0
Ulcer													1												2	1.5
Epithelium, Hyperplasia						2																			6	2.0
Stomach, Glandular		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48	

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 2) Mild 4) Marked  
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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

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

Parathyroid Gland	+ M + + + M +	46
Pituitary Gland	+ M + + + + +	47
Pars Distalis, Cyst	2	1 2.0
Pars Distalis, Hyperplasia	4	3 4.0
Pars Distalis, Hyperplasia, Focal	4 3 2 1 2	6 2.7
Pars Intermedia, Cyst		1 2.0
Pars Intermedia, Hyperplasia, Focal	2	1 2.0
Thyroid Gland	+ +	49
Infiltration Cellular, Lymphocyte	2	1 2.0
Follicle, Degeneration, Focal	2 1 1 1 1 1 1 1 3 2 3 1 1 3 1	30 1.7
Follicular Cell, Hyperplasia, Focal		2 2.0

**GENERAL BODY SYSTEM**

Tissue NOS		
Fibrosis	+ 3	3 1 3.0

**GENITAL SYSTEM**

Clitoral Gland	+ + + + + + + + + + + + M + + + + + + + M + + + +	48
Inflammation, Chronic	2	2 3.0
Ovary	+ +	49
Angiectasis		1 2.0

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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
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 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
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 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	
	7	6	7	7	7	7	7	7	7	7	7	7	6	6	7	7	7	6	7	7	6	6	7	7	6
	3	1	3	3	3	3	3	3	3	3	3	3	7	9	3	3	3	8	3	3	7	9	3	3	9
	3	9	2	3	3	1	3	2	2	1	2	1	5	7	2	2	3	7	1	2	8	2	2	2	8
<b>B6C3F1 MICE FEMALE</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
<b>0 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	5
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

Cyst																								2	2	2							2							2	<b>9 2.0</b>									
Hemorrhage																								2	3													2							4	<b>9 2.7</b>				
Thrombosis																																										3							<b>1 3.0</b>	
Interstitial Cell, Hyperplasia																																										2							2	<b>3 2.3</b>
Uterus																								+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>50</b>			
Angiectasis																												2																				<b>1 2.0</b>		
Hemorrhage																												4																				<b>1 4.0</b>		
Hyperplasia, Cystic	4	3	3	2	3	4	3	4	3	4	3	3	4	4	4	4	4	4	4	3	4	3	2	1	4	4	4	<b>49 3.4</b>																						
Vagina																																															1			

**HEMATOPOIETIC SYSTEM**

Bone Marrow																								+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>50</b>		
Myelofibrosis																																				2							<b>1 2.0</b>							
Lymph Node																												+															+	+	+	<b>13</b>				
Ectasia																												+																				<b>2 2.5</b>		
Hemorrhage																												+																				<b>1 3.0</b>		
Iliac, Ectasia																																				3							<b>2 2.5</b>							
Iliac, Hemorrhage																																				+							<b>1 2.0</b>							
Renal, Hyperplasia, Lymphoid																																				+							<b>1 2.0</b>							
Lymph Node, Mandibular																								+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>50</b>		
Atrophy																																										2							<b>2 2.5</b>	
Hyperplasia, Lymphoid																												2					1	1	1															<b>11 1.9</b>

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 Page 87

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

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

Lymph Node, Mesenteric	+	A	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	47	
Atrophy													3														5 2.2
Hyperplasia, Lymphoid																											1 4.0
Hyperplasia, Plasma Cell																											1 2.0
Infiltration Cellular, Neutrophil																											1 1.0
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	49	
Angiectasis														4													1 4.0
Hematopoietic Cell Proliferation			4	3		2	2	3	4	2		2		4		2	4		2	3				3	4		27 2.9
Pigmentation																								1			8 1.4
Lymphoid Follicle, Atrophy			4																								1 4.0
Lymphoid Follicle, Hyperplasia	2		2			1	1	1	1	2		1	1			1	1		2	2			2	2			26 1.5
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Cyst			2																								2 2.0
Hemorrhage							2					4															6 2.3
Hyperplasia, Lymphoid			3																								1 3.0

**INTEGUMENTARY SYSTEM**

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hyperplasia			2										2	1								1					4 1.5
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Edema																											1 2.0
Hemorrhage																											1 3.0
Hyperkeratosis																							3				3 2.7
Hyperplasia, Melanocyte																											1 3.0
Inflammation, Chronic																											1 1.0

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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
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 Lab: SRI

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

Inflammation, Chronic Active																									1	3.0		
Ulcer																										1	3.0	
Epidermis, Hyperplasia																										3	2	3.0
Epidermis, Site Of Application, Hyperplasia							1		1	1			1		1											7	1.3	
Site Of Application, Erosion																											1	2.0
Site Of Application, Hyperkeratosis							1		1	1			2													9	1.4	
Site Of Application, Hyperplasia, Melanocyte													1			1										3	1.0	
Site Of Application, Inflammation, Chronic									1							1	1									7	1.3	

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49			
Cranium, Fibrosis																											2	1.5
Femur, Fibro-Osseous Lesion				2	1				2				2			3	1			1	4				2	12	1.9	
Skeletal Muscle Degeneration																												
																									+	3	1	1.0

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50			
Hemorrhage			2															1								4	1.3	
Hyperplasia, Lymphoid											2								2							3	1.7	
Meninges, Inflammation, Chronic																										1	2.0	
Peripheral Nerve Degeneration																												
																										1	1	2.0

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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 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 FEMALE</b>	7	6	7	7	7	7	7	7	7	7	7	7	6	6	7	7	7	6	7	7	6	6	7	7	6
<b>0 MG/KG</b>	3	1	3	3	3	3	3	3	3	3	3	3	7	9	3	3	3	8	3	3	7	9	3	3	9
<b>ANIMAL ID</b>	3	9	2	3	3	1	3	2	2	1	2	1	5	7	2	2	3	7	1	2	8	2	2	2	8
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	5
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

Inflammation, Chronic 1 2.0

Spinal Cord 1

**RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Congestion																	2								1 2.0
Hemorrhage												1													2 2.0
Infiltration Cellular, Histiocyte			3									1						1			3				5 2.0
Mineralization																									1 1.0
Thrombosis																									1 2.0
Alveolar Epithelium, Hyperplasia															3								1		5 1.6
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Inflammation, Chronic															3										1 3.0
Pleura																									1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

**SPECIAL SENSES SYSTEM**

Eye	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	47
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hyperplasia																								3	1 3.0

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

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

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

Hyperplasia, Focal Inflammation, Chronic																												2 2.0
	2			2	2											2												8 2.0

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	49	
Cyst																							2					2 2.0
Hyperplasia, Lymphoid					2	2																			2			15 2.1
Infarct																1												1 1.0
Infiltration Cellular, Lipocyte																												1 2.0
Metaplasia, Osseous																2												2 2.0
Mineralization			1						1			1			2									1				8 1.1
Nephropathy	1				1	2				1	1	1	1	3				1	2		1	2	2		1		1	31 1.4
Pelvis, Dilatation																												1 3.0
Renal Tubule, Accumulation, Hyaline Droplet																												1 3.0
Urinary Bladder	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Hyperplasia, Lymphoid	2		2			2									2		2								2			11 2.1

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+ .. Tissue examined microscopically

x .. Lesion present

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 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

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 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0 0																								
	7 7 7 7 5 5 7 6 7 7 7 7 7 6 7 7 7 7 7 6 7 7 7 7 7																								
B6C3F1 MICE FEMALE 10 MG/KG	3 3 3 3 9 9 3 7 3 3 3 3 3 3 3 3 3 3 3 7 3 3 3 3 3																								
	3 1 3 2 0 7 3 6 3 3 2 2 2 9 1 2 2 3 3 8 2 1 2 3 3																								
ANIMAL ID	0 0																								
	0 0																								
10 MG/KG	2 2																								
	5 5 5 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 7 7 7 7 7																								
																									1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5

females  
(cont...)

**ALIMENTARY SYSTEM**

Esophagus	+ +																								
Gallbladder	+ + + + + + + A + + + + + + + + + + + + + + A + + + + +																								
Intestine Large, Cecum	+ + + + + A +																								
Intestine Large, Colon Edema Inflammation, Acute	+ + + + + A + + + + + + + + + + + + + + + + A + + + + +																								
Intestine Large, Rectum	+ + + + + A + + + + + + + + + + + + + + + + A + + + + +																								
Intestine Small, Duodenum Hyperplasia Ulcer	+ + + + + A + + + + + + + + + + + + + + + + A + + + + +																								
Intestine Small, Ileum Inflammation, Acute	+ + + + + A + A + + + + + + + + + + + + + + A + + + + + 2																								
Intestine Small, Jejunum	+ + + + + A + A + + + + + + + + + + + + + + A + + + + +																								
Liver Angiectasis Basophilic Focus Bile Stasis	+ 2 1																								

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 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

	DAY ON TEST																									females (cont...)
	0 7 3 3	0 7 3 1	0 7 3 3	0 5 9 2	0 5 9 0	0 7 3 7	0 6 7 3	0 7 3 6	0 7 3 3	0 7 3 3	0 7 3 2	0 7 3 2	0 6 7 2	0 7 3 2	0 6 7 9	0 7 3 1	0 7 3 2	0 7 3 2	0 6 7 3	0 7 3 3	0 7 3 7	0 7 3 3	0 7 3 3	0 7 3 3		
<b>B6C3F1 MICE FEMALE</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	
<b>10 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	
Clear Cell Focus						X	X																	X		
Congestion																							2			
Eosinophilic Focus		X		X		X					X		X									X				
Hematopoietic Cell Proliferation	1	1	1								1		1		1		1		1		1					
Hemorrhage																						1				
Hyperplasia, Lymphoid																						2				
Infarct																										
Mixed Cell Focus																										
Necrosis, Focal						2						2										1				
Vacuolization Cytoplasmic										2																
Centrilobular, Necrosis										4																
Hepatocyte, Vacuolization Cytoplasmic						2																				
Kupffer Cell, Pigmentation																										
Mesentery			+												+	+	+				+	+	+	+		
Hemorrhage																										
Fat, Necrosis			2												2	2	3				2	2	4			
Pancreas			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																	2						4			
Cyst																	2						2			
Inflammation, Focal, Chronic										3																
Necrosis																										
Salivary Glands			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia, Lymphoid																						2		2	2	2
Mineralization			1																							
Stomach, Forestomach			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema					1																					

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TDMS No. 95003 - 06  
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DAY ON TEST	0 0																								
	7 7 7 7 5 5 7 6 7 7 7 7 7 6 7 7 7 7 7 6 7 7 7 7 7																								
B6C3F1 MICE FEMALE 10 MG/KG	3 3 3 3 9 9 3 7 3 3 3 3 3 3 3 3 3 3 3 7 3 3 3 3 3																								
	3 1 3 2 0 7 3 6 3 3 3 2 2 2 9 1 2 2 3 3 8 2 1 2 3 3																								
ANIMAL ID	0 0																								
	0 0																								
10 MG/KG	2 2																								
	5 5 5 5 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 7 7 7 7 7 7																								
																									females (cont...)

Erosion																										1
Inflammation, Chronic																										
Ulcer																										2
Epithelium, Hyperplasia																										2 2 2
.....																										
Stomach, Glandular																										
Cyst																										2 2
Erosion																										1
Mineralization																										

**CARDIOVASCULAR SYSTEM**

Blood Vessel																										
.....																										
Heart																										
Cardiomyopathy																										1
Mineralization																										1

**ENDOCRINE SYSTEM**

Adrenal Cortex																										
Accessory Adrenal Cortical Nodule																										
Degeneration, Fatty																										3
Hyperplasia, Focal																										
Hypertrophy, Focal																										1
Capsule, Hyperplasia																										2 2 2 2 3 3 2 3 2 2 2 2 3 3 2 2 2 2 2 2 3 2 2 2

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 CAS Number: 1896-62-4

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 Lab: SRI

DAY ON TEST	ANIMAL ID																									females (cont...)
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	7	7	7	5	5	7	6	7	7	7	7	7	6	7	7	7	7	7	6	7	7	7	7	7	7	
3	3	3	3	9	9	3	7	3	3	3	3	3	3	3	3	3	3	3	3	7	3	3	3	3	3	
3	1	3	2	0	7	3	6	3	3	2	2	2	9	1	2	2	3	3	8	2	1	2	3	3		
.....																										
<b>B6C3F1 MICE FEMALE</b> <b>10 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	

Adrenal Medulla Hyperplasia +  
 4 3 1 1

Islets, Pancreatic Hyperplasia +

Parathyroid Gland + + + + + M + + + + + + + + + + + + + + + + + + M + +

Pituitary Gland  
 Pars Distalis, Angiectasis +  
 Pars Distalis, Hyperplasia  
 Pars Distalis, Hyperplasia, Focal 1 1 4

Thyroid Gland  
 Inflammation, Chronic +  
 Bilateral, Follicular Cell, Hyperplasia, Diffuse 1 3  
 3  
 Follicle, Degeneration, Focal 2 3 1 3 3 1 2 1 4 1 1 2 2 3 2 2 3 2  
 Follicular Cell, Hyperplasia  
 Follicular Cell, Hyperplasia, Focal 3 1

**GENERAL BODY SYSTEM**

Tissue NOS +

**GENITAL SYSTEM**

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TDMS No. 95003 - 06  
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 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone  
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 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

	DAY ON TEST																									females (cont...)
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7	7	7	7	5	5	7	6	7	7	7	7	7	6	7	7	7	7	6	7	7	7	7	7	7	
	3	3	3	3	9	9	3	7	3	3	3	3	3	3	3	3	3	3	3	7	3	3	3	3	3	
	3	1	3	2	0	7	3	6	3	3	2	2	2	9	1	2	2	3	3	8	2	1	2	3	3	
<b>B6C3F1 MICE FEMALE</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	
<b>10 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7		
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	

Clitoral Gland Inflammation, Chronic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	3																								
Ovary Angiectasis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst	2			2					2		2	2				2			2						2
Hemorrhage		2	2	3					2	2			2			2									2
Thrombosis	4																								
Uterus Angiectasis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Cystic Pigmentation	3	3	2	2	4		3	4	4	3	4	3	4	1	2		4	3	3	2	2	4	4	4	4
																3									
Vagina Hyperplasia, Squamous Inflammation, Chronic Necrosis											+														

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node Ectasia		+			+	+				+					+										+
Hematopoietic Cell Proliferation																									
Hemorrhage																									
Bronchial, Hyperplasia, Lymphoid						2																			

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 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0 0																								
	7 7 7 7 5 5 7 6 7 7 7 7 6 7 7 7 7 6 7 7 7 7 7 7 7																								
B6C3F1 MICE FEMALE 10 MG/KG	3 3 3 3 9 9 3 7 3 3 3 3 3 3 3 3 3 3 7 3 3 3 3 3 3																								
	3 1 3 2 0 7 3 6 3 3 2 2 2 9 1 2 2 3 3 8 2 1 2 3 3																								
ANIMAL ID	0 0																								
	0 0																								
10 MG/KG	2 2																								
	5 5 5 5 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 7 7 7 7 7 7																								
																									1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5

females (cont...)

Lymph Node, Mandibular Atrophy	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage																									
Hyperplasia, Lymphoid																									
Lymph Node, Mesenteric Atrophy	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic Cell Proliferation																									
Hyperplasia, Lymphoid																									
Hyperplasia, Plasma Cell																									
Infiltration Cellular, Neutrophil																									
Spleen Hematopoietic Cell Proliferation	3		2	4																					
Pigmentation																									
Lymphoid Follicle, Hyperplasia	1																								
Thymus Cyst	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage																									

**INTEGUMENTARY SYSTEM**

Mammary Gland Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Infiltration Cellular, Lymphocyte																									
Inflammation, Chronic																									

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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

	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
	7	7	7	7	5	5	7	6	7	7	7	7	6	7	7	7	7	6	7	7	7	6	7	7	7
	3	3	3	3	9	9	3	7	3	3	3	3	3	3	3	3	3	3	3	3	3	7	3	3	3
	3	1	3	2	0	7	3	6	3	3	2	2	2	9	1	2	2	3	3	8	2	1	2	3	3
<b>B6C3F1 MICE FEMALE</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
<b>10 MG/KG</b>	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

females  
(cont...)

Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Edema						2																		
Hemorrhage																								
Hyperkeratosis												1	1					1						
Inflammation, Acute																		2						
Inflammation, Chronic												1	1	2										
Epidermis, Hyperplasia													1					1						
Epidermis, Site Of Application, Hyperplasia	1												1	1	1						1		1	1
Site Of Application, Hemorrhage																								
Site Of Application, Hyperkeratosis	1							2					2	1	1	2			2				1	1
Site Of Application, Hyperplasia, Melanocyte															1									
Site Of Application, Inflammation, Acute																								
Site Of Application, Inflammation, Chronic	2				1								1	1	1						2		2	1

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cranium, Fibrosis																								
Cranium, Osteopetrosis																								
Femur, Fibro-Osseous Lesion			1												2		1		1					
Femur, Hyperostosis	2								1			2	2											
Skeletal Muscle																								
Inflammation, Chronic																								

NERVOUS SYSTEM

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

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

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	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	
	7	7	7	7	5	5	7	6	7	7	7	7	7	6	7	7	7	7	7	6	7	7	7	7	7	
	3	3	3	3	9	9	3	7	3	3	3	3	3	3	3	3	3	3	3	7	3	3	3	3	3	
	3	1	3	2	0	7	3	6	3	3	2	2	2	9	1	2	2	3	3	8	2	1	2	3	3	
<b>B6C3F1 MICE FEMALE</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	
<b>10 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	<b>females</b>	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	<b>(cont...)</b>

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Compression													4							2				
Hemorrhage						1														2				
Hyperplasia, Lymphoid																			1					
Peripheral Nerve																								
Spinal Cord																								

**RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Congestion																								
Hemorrhage												1								2				
Infiltration Cellular, Histiocyte					4																			
Metaplasia, Osseous																								
Alveolar Epithelium, Hyperplasia												1											4	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage																								
Inflammation, Chronic																								
Glands, Cyst																								
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

**SPECIAL SENSES SYSTEM**

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DAY ON TEST	0																								* TOTALS
	7	7	7	7	7	7	6	7	7	5	7	7	7	7	7	5	6	6	7	7	7	7	7	7	
	3	3	3	3	3	3	0	3	3	7	3	3	3	3	3	9	8	5	3	1	3	3	3	3	
	2	2	2	3	1	3	9	1	1	1	3	2	3	2	2	3	0	1	3	1	1	3	3	2	2
<b>B6C3F1 MICE FEMALE</b> <b>10 MG/KG</b>	ANIMAL ID																								
	0																								
	0																								
	2																								
	7																								
6																									

Clear Cell Focus																									3																
Congestion																									1 2.0																
Eosinophilic Focus	X	X		X																			X	X					13												
Hematopoietic Cell Proliferation		1	1			2			1	1		1												1				15 1.1													
Hemorrhage																									1 1.0																
Hyperplasia, Lymphoid	2																						2					2	2												5 2.0
Infarct																									1 4.0																
Mixed Cell Focus																									2																
Necrosis, Focal																									10 2.2																
Vacuolization Cytoplasmic																									2 2.0																
Centrilobular, Necrosis																									1 4.0																
Hepatocyte, Vacuolization Cytoplasmic																									2 2.5																
Kupffer Cell, Pigmentation	2		2																						2 2.0																
Mesentery	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	22															
Hemorrhage																									1 2.0																
Fat, Necrosis	2	1	2	2	2	2	3												2	1	1	2	2	1	2					21 2.0											
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50															
Atrophy																									4 2.8																
Cyst																									2 2.0																
Inflammation, Focal, Chronic																									1 3.0																
Necrosis																									1 2.0																
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50															
Hyperplasia, Lymphoid	2	2																						14 2.0																	
Mineralization																									1 1.0																
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50															
Edema																									1 1.0																

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DAY ON TEST	0 0																								
	7 7 7 7 7 7 6 7 7 5 7 7 7 7 7 5 6 6 7 7 7 7 7 7																								
ANIMAL ID	3 3 3 3 3 3 0 3 3 7 3 3 3 3 3 9 8 5 3 1 3 3 3 3																								
	2 2 2 3 1 3 9 1 1 1 3 2 3 2 2 3 0 1 3 1 1 3 3 2 2																								
<b>B6C3F1 MICE FEMALE</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	
<b>10 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	0	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
																								<b>* TOTALS</b>	

Erosion																								<b>1 1.0</b>					
Inflammation, Chronic																								<b>1 2.0</b>					
Ulcer	3																								<b>2 2.5</b>				
Epithelium, Hyperplasia	2																								<b>7 2.0</b>				
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>48</b>				
Cyst					2																								<b>3 2.0</b>
Erosion								2																1			<b>3 1.3</b>		
Mineralization																1			<b>1 1.0</b>										

**CARDIOVASCULAR SYSTEM**

Blood Vessel																								+			<b>1</b>		
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>50</b>				
Cardiomyopathy				1			2												1			1	2			1	1	1	<b>12 1.2</b>
Mineralization																								<b>1 1.0</b>					

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	<b>49</b>	
Accessory Adrenal Cortical Nodule																2			2			<b>2 2.0</b>					
Degeneration, Fatty								2																<b>2 2.5</b>			
Hyperplasia, Focal				1												1			<b>2 1.0</b>								
Hypertrophy, Focal																								<b>2 2.5</b>			
Capsule, Hyperplasia	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	3	2			2	2	2	2	<b>47 2.2</b>

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7	7	7	7	7	7	6	7	7	5	7	7	7	7	7	5	6	6	7	7	7	7	7	7	
	3	3	3	3	3	3	0	3	3	7	3	3	3	3	3	9	8	5	3	1	3	3	3	3	
	2	2	2	3	1	3	9	1	1	1	3	2	3	2	2	3	0	1	3	1	1	3	3	2	
<b>B6C3F1 MICE FEMALE</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	
<b>10 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	0	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	

Clitoral Gland Inflammation, Chronic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	1	3.0
Ovary Angiectasis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1	3.0
Cyst	2				2		2		2	2							2		2	2			X	17	2.0		
Hemorrhage			2	1				2	4					2							1	2		15	2.1		
Thrombosis							4																	2	4.0		
Uterus Angiectasis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1	2.0
Hyperplasia, Cystic		4	4	3	4	4	3	2	3	4	4	3		4	4	2	3	2	4	2	4	4	2	3	4	46	3.2
Pigmentation																									1	3.0	
Vagina Hyperplasia, Squamous																									2	1	3.0
Inflammation, Chronic																									4	1	4.0
Necrosis																									4	1	4.0

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Lymph Node Ectasia				+						+			+												11	3	3.7
Hematopoietic Cell Proliferation				4																					4	1	4.0
Hemorrhage				4																					4	3	3.7
Bronchial, Hyperplasia, Lymphoid																									4	1	2.0

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
	7	7	7	7	7	7	6	7	7	5	7	7	7	7	7	7	5	6	6	7	7	7	7	7	7	
	3	3	3	3	3	3	0	3	3	7	3	3	3	3	3	3	9	8	5	3	1	3	3	3	3	
	2	2	2	3	1	3	9	1	1	1	3	2	3	2	2	3	0	1	3	1	1	3	3	2	2	
<b>B6C3F1 MICE FEMALE</b> <b>10 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	

Lymph Node, Mandibular Atrophy	+	+	+	+	+	M	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48	
Hemorrhage				1																							1 2.0
Hyperplasia, Lymphoid								2						1								2	2				2 1.0
																											7 1.9
Lymph Node, Mesenteric Atrophy	+	+	+	+	+	+	+	+	+	+	3	+	M	+	+	+	+	+	+	+	+	+	+	+	+	49	
Hematopoietic Cell Proliferation																											3 1.7
Hyperplasia, Lymphoid																											2 2.0
Hyperplasia, Plasma Cell																											1 3.0
Infiltration Cellular, Neutrophil																											1 3.0
																											1 2.0
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hematopoietic Cell Proliferation				2		4		4	3		3					2		4	3	4		4		2	2	3	28 2.9
Pigmentation																											5 2.2
Lymphoid Follicle, Hyperplasia				2	2				2						2			2				2	2		2		20 1.9
Thymus	+	+	+	+	+	+	M	+	+	I	+	+	+	+	+	+	+	+	M	+	M	+	+	+	+	46	
Cyst	2																										1 2.0
Hemorrhage					2											2									2		7 2.0

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hyperplasia						2					1																3 2.0
Infiltration Cellular, Lymphocyte																											1 2.0
Inflammation, Chronic																											1 2.0

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DAY ON TEST	0 0																								
	7 7 7 7 7 7 6 7 7 5 7 7 7 7 7 7 5 6 6 7 7 7 7 7																								
ANIMAL ID	3 3 3 3 3 3 0 3 3 7 3 3 3 3 3 3 9 8 5 3 1 3 3 3 3																								
	2 2 2 3 1 3 9 1 1 1 3 2 3 2 2 3 0 1 3 1 1 3 3 2 2																								
<b>B6C3F1 MICE FEMALE</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
<b>10 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
	<b>* TOTALS</b>																								

Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Edema			4													2									3 2.7
Hemorrhage									4																1 4.0
Hyperkeratosis																2									4 1.3
Inflammation, Acute			3																						2 2.5
Inflammation, Chronic																1									4 1.3
Epidermis, Hyperplasia																									2 1.0
Epidermis, Site Of Application, Hyperplasia					1		1		1					1											11 1.0
Site Of Application, Hemorrhage													2												1 2.0
Site Of Application, Hyperkeratosis			1		1		1		1		2			1				2							16 1.4
Site Of Application, Hyperplasia, Melanocyte																			1				1		3 1.0
Site Of Application, Inflammation, Acute			2																						1 2.0
Site Of Application, Inflammation, Chronic										1				1				1							11 1.3

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cranium, Fibrosis																								3	1 3.0
Cranium, Osteopetrosis																1									1 1.0
Femur, Fibro-Osseous Lesion					1										2	1									7 1.3
Femur, Hyperostosis					2																				5 1.8
Skeletal Muscle																									2
Inflammation, Chronic																1									1 1.0

**NERVOUS SYSTEM**

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

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

	DAY ON TEST																									
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	7	7	7	7	7	7	6	7	7	5	7	7	7	7	7	7	5	6	6	7	7	7	7	7		
	3	3	3	3	3	3	0	3	3	7	3	3	3	3	3	3	9	8	5	3	1	3	3	3	3	
	2	2	2	3	1	3	9	1	1	1	3	2	3	2	2	3	0	1	3	1	1	3	3	2	2	
<b>B6C3F1 MICE FEMALE</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	
<b>10 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	0	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	<b>* TOTALS</b>

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Compression				4																							3 3.3
Hemorrhage																											2 1.5
Hyperplasia, Lymphoid				1																							2 1.0
Peripheral Nerve																											1
Spinal Cord																											1

**RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Congestion																	2										1 2.0
Hemorrhage	1			1													1							3			6 1.5
Infiltration Cellular, Histiocyte									1										2								3 2.3
Metaplasia, Osseous														2													1 2.0
Alveolar Epithelium, Hyperplasia		2			1					2									1		1			2			8 1.8
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hemorrhage																2											1 2.0
Inflammation, Chronic						2					1																2 1.5
Glands, Cyst																	2										1 2.0
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	

**SPECIAL SENSES SYSTEM**

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 1) Minimal 3) Moderate  
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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

	DAY ON TEST																								
	0732	0733	0734	0735	0736	0737	0738	0739	0740	0741	0742	0743	0744	0745	0746	0747	0748	0749	0750	0751	0752	0753	0754	0755	
<b>B6C3F1 MICE FEMALE</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	
<b>10 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	0	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	<b>* TOTALS</b>

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Inflammation, Chronic									1																2 1.0
Bilateral, Hemorrhage											4														1 4.0
Bilateral, Retinal Detachment											4														1 4.0
Bilateral, Optic Nerve, Necrosis											4														1 4.0
Cornea, Hyperplasia																1									2 1.0
Retina, Degeneration										2	1														2 1.5
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hyperplasia, Focal	3											2				2						3		5 2.4	
Inflammation, Chronic																									1 2.0
Bilateral, Hemorrhage											4														1 4.0

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Cyst																									1 2.0
Hyperplasia, Lymphoid	2	2									2	2				2	2						2	14 2.0	
Infarct																2									7 1.7
Metaplasia, Osseous										1										2					3 1.3
Mineralization																									1 1.0
Nephropathy	2	1	1		1			1	1			1	1	1	1				1	1	1	2	1	2	37 1.2
Renal Tubule, Accumulation, Hyaline Droplet																									3 3.3
Renal Tubule, Necrosis																									1 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hyperplasia, Lymphoid							2	2														2			6 2.0

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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

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 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0																								
	7	4	7	7	6	7	5	7	7	7	7	7	7	7	7	7	7	6	7	7	7	7	7	6	0
3	6	3	3	8	3	6	3	3	3	3	2	3	3	3	3	3	8	3	3	1	3	3	3	7	
2	7	1	3	8	2	1	2	2	2	3	5	3	2	2	2	3	1	3	3	9	3	2	2	6	

  

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

**B6C3F1 MICE FEMALE**  
**30 MG/KG**

**females (cont...)**

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum Edema	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon Edema	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum Dilatation Inflammation, Acute Epithelium, Hyperplasia	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum Necrosis	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver Basophilic Focus Bile Stasis	+	+	+	+	+	+	+	+	+	X	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

	DAY ON TEST																									females (cont...)	
	0 7 3 2	0 4 6 7	0 7 3 1	0 7 3 3	0 6 8 8	0 7 3 2	0 5 6 1	0 7 3 2	0 7 3 2	0 7 3 2	0 7 3 3	0 7 3 5	0 7 3 3	0 7 3 2	0 7 3 2	0 6 8 3	0 7 3 3	0 7 3 1	0 7 3 3	0 7 1 3	0 7 3 9	0 7 3 3	0 7 3 2	0 7 3 2			
<b>B6C3F1 MICE FEMALE</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		
<b>30 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	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	3	4	5	6	7	8	9	0	1	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	
Clear Cell Focus				X												X									X		
Eosinophilic Focus	X				X			X		X								X		X	X				X		
Hematopoietic Cell Proliferation	1		1		1											1											
Hemorrhage																											
Hyperplasia, Lymphoid																							2				
Infarct																											
Karyomegaly																											
Mixed Cell Focus																											
Necrosis, Focal	1	1								2	2				2												
Hepatocyte, Hypertrophy	1			1																							
Kupffer Cell, Pigmentation	1																										
Mesentery	+			+				+		+		+	+	+		+	+										
Fat, Necrosis	2			2				2		2		2	2	2		2	2								2		
Pancreas	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Atrophy				1																							
Cyst																						2	2				
Fibrosis	1																										
Hyperplasia, Lymphoid																											
Inflammation, Granulomatous, Chronic																											
Active																											
Metaplasia, Hepatocyte																											
Mineralization																											
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Atrophy																									3		
Hyperplasia, Lymphoid				2				2					2									2	2	2		2	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		

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 Page 113

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0																								
	7	4	7	7	6	7	5	7	7	7	7	7	7	7	7	7	6	7	7	7	7	7	6		
	3	6	3	3	8	3	6	3	3	3	3	2	3	3	3	3	8	3	3	1	3	3	7		
	2	7	1	3	8	2	1	2	2	2	3	5	3	2	2	3	1	3	3	9	3	2	6		
<b>B6C3F1 MICE FEMALE</b> <b>30 MG/KG</b>	ANIMAL ID																								
	0																								
	0																								
	3																								
	0																								
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
	<b>females (cont...)</b>																								

Edema																									4					
Inflammation, Chronic																														
Ulcer																									3					
Epithelium, Hyperplasia	2																							2						
	3																			1			2							
Stomach, Glandular																														
Cyst	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						
Edema	2																							2			2			
Erosion																														
Mineralization																														
Ulcer																														
Epithelium, Hyperplasia																									3					

**CARDIOVASCULAR SYSTEM**

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				
Cardiomyopathy			2																			1			1			
Mineralization																									1			

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule																									
Degeneration, Fatty	2																								
Hematopoietic Cell Proliferation																			3			2			
Hyperplasia, Focal																									
Hypertrophy, Focal	1																								
Capsule, Hyperplasia	2	3	2	2	2	2			2	2	2	3	2	2	2	2	2	2	3	2	2	3	2	2	3

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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

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

**B6C3F1 MICE FEMALE**  
**30 MG/KG**

Adrenal Medulla Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	3				
Islets, Pancreatic Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1	2			
Parathyroid Gland	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					
Pituitary Gland Pars Distalis, Angiectasis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					
Pars Distalis, Cyst																									2				
Pars Distalis, Hyperplasia, Focal	1																								1	1	1		
Pars Intermedia, Hyperplasia, Focal																												2	2
Thyroid Gland Inflammation, Chronic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					
Follicle, Degeneration, Focal	2		1		2	2	2	2		2	1	3	2		2	2		3	2		2	3		2					
Follicular Cell, Hyperplasia																													
Follicular Cell, Hyperplasia, Focal																									1				

**GENERAL BODY SYSTEM**

Tissue NOS Abdominal, Fat, Inflammation, Chronic Active																										+
---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---

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 Page 115

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0 0																								
	7 4 7 7 6 7 5 7 7 7 7 7 7 7 7 7 6 7 7 7 7 7 7 7 6																								
ANIMAL ID	3 6 3 3 8 3 6 3 3 3 3 2 3 3 3 3 8 3 3 1 3 3 3 7																								
	2 7 1 3 8 2 1 2 2 2 3 5 3 2 2 2 3 1 3 3 9 3 2 2 6																								
<b>B6C3F1 MICE FEMALE</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
<b>30 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

females (cont...)

**GENITAL SYSTEM**

Clitoral Gland	+ +																								
Ovary	+ +																								
Cyst																									
Hemorrhage	1 3 3 2																								
Inflammation, Chronic																									
Mineralization																									
Thrombosis	4 3 4 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2																								
Interstitial Cell, Hyperplasia																									
Uterus	+ +																								
Hemorrhage																									
Hyperplasia, Cystic	4 3 3 4 3 4 2 4 4 3 3 4 2 3 1 4 4 4 2 3 3 4 4 3 4																								
Myometrium, Hypertrophy																									
Vagina	+																								

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+ +																								
Angiectasis																									
Infiltration Cellular, Histiocyte																									
Myeloid Cell, Hyperplasia	3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3																								
Lymph Node	+ +																								

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

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

	DAY ON TEST																								females (cont...)				
	0 7 3 2	0 4 6 7	0 7 3 1	0 7 3 3	0 6 8 8	0 7 3 2	0 5 6 1	0 7 3 2	0 7 3 2	0 7 3 2	0 7 3 3	0 7 3 2	0 7 3 5	0 7 3 3	0 7 3 2	0 7 3 2	0 6 3 3	0 7 3 3	0 7 3 3	0 7 3 1	0 7 3 3	0 7 3 9	0 7 3 3	0 7 3 2		0 7 3 2	0 6 7 6		
<b>B6C3F1 MICE FEMALE</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	
<b>30 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	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	3	4	5	6	7	8	9	0	1	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5			
Ectasia								4			3									4						4			
Hemorrhage								4																				2	
Iliac, Ectasia																													
Iliac, Hemorrhage																													
Iliac, Hyperplasia, Lymphoid																													
Iliac, Infiltration Cellular, Histiocyte																													
Renal, Ectasia																													
Renal, Hyperplasia, Lymphoid												2																	
Renal, Infiltration Cellular, Histiocyte																													
Lymph Node, Mandibular Hyperplasia, Histiocytic Hyperplasia, Lymphoid	+	+	+	+	+	+	M	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
	1									3				2															
Lymph Node, Mesenteric Atrophy Ectasia Hematopoietic Cell Proliferation	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+		
							3								2														
Spleen Hematopoietic Cell Proliferation Hyperplasia, Lymphoid Pigmentation Lymphoid Follicle, Atrophy Lymphoid Follicle, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
	4	3	4	2	4	4	4	2						3	2	2	4								3	2	4	3	
				2				2																		1	2		
				2		1								2		2				1	2			2	2	2			
Thymus Cyst Hemorrhage	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+		
	1		1	1		3				2			2										1		2		2		

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	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
	7	4	7	7	6	7	5	7	7	7	7	7	7	7	7	7	7	6	7	7	7	7	7	6	
	3	6	3	3	8	3	6	3	3	3	3	3	2	3	3	3	3	8	3	3	1	3	3	7	
	2	7	1	3	8	2	1	2	2	2	3	5	3	2	2	2	3	1	3	3	9	3	2	6	
<b>B6C3F1 MICE FEMALE</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	
<b>30 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	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	2	3	4	5	6	7	8	9	0	1	1	1	2	3	4	5	6	7	8	9	0	1	2	

females  
(cont...)

**INTEGUMENTARY SYSTEM**

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia							1																	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Edema	4		4																					
Hyperkeratosis											1												1	
Hyperplasia, Melanocyte																								
Inflammation, Chronic				1				1			1			1								1	1	
Epidermis, Hyperplasia											1													
Epidermis, Site Of Application, Hyperplasia	1		1	2			2	2			1	3	2		2	2	1			1		1	1	2
Site Of Application, Erosion							2																	
Site Of Application, Hyperkeratosis	1		2	2	1	2	2	2	1		1	3	2	2	2	2	1	2		1		1	1	2
Site Of Application, Hyperplasia, Melanocyte			1		1	1	1		2	1	2	1	1	1	1	2	1	2		1	1		2	2
Site Of Application, Inflammation, Chronic	1	1	1	1		1	2	1	1		2	2	2	1	1	1	1	1		1		1	1	2
Site Of Application, Ulcer																								1
Subcutaneous Tissue, Hemorrhage															2									
Subcutaneous Tissue, Necrosis															2									

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cranium, Osteopetrosis																								2
Femur, Fibro-Osseous Lesion												3		2	3	2		2	1		3			
Femur, Hyperostosis																								2

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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

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 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

	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
	7	4	7	7	6	7	5	7	7	7	7	7	7	7	7	7	7	6	7	7	7	7	7	6	
	3	6	3	3	8	3	6	3	3	3	3	3	2	3	3	3	3	8	3	3	1	3	3	7	
	2	7	1	3	8	2	1	2	2	2	3	5	3	2	2	2	3	1	3	3	9	3	2	6	
<b>B6C3F1 MICE FEMALE</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	
<b>30 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	
	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

females (cont...)

Skeletal Muscle

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Compression																								
Hemorrhage																								
Hyperplasia, Lymphoid																								
Infiltration Cellular, Lipocyte																								
Inflammation, Acute																								
Necrosis, Focal																								

**RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Congestion																								
Hemorrhage																								
Infiltration Cellular, Histiocyte																								
Alveolar Epithelium, Hyperplasia																								
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body																								
Inflammation, Chronic																								
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

**SPECIAL SENSES SYSTEM**

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 Lab: SRI

DAY ON TEST	0 0																								
	7 4 7 7 6 7 5 7 7 7 7 7 7 7 7 7 6 7 7 7 7 7 7 7 6																								
ANIMAL ID	3 6 3 3 8 3 6 3 3 3 3 3 2 3 3 3 3 8 3 3 1 3 3 3 7																								
	2 7 1 3 8 2 1 2 2 2 3 5 3 2 2 2 3 1 3 3 9 3 2 2 6																								
<b>B6C3F1 MICE FEMALE</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
<b>30 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	2	3	4	5	6	7	8	9	0	1	1	1	1	1	1	1	1	1	1	2	2	2	3	4

females (cont...)

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic																									2
Cornea, Hyperplasia			1																						1
Cornea, Inflammation, Chronic																									
Harderian Gland	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrosis													3												
Hyperplasia, Focal																									
Inflammation, Chronic																									2

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Casts Protein																									1
Hyperplasia, Lymphoid			2	2	2									2					2					2	
Infarct			4								1	3						2							
Metaplasia, Osseous					2					2															
Mineralization						1															1				
Nephropathy	1	1	3	1		1		1	1	2				1	2	1	1	2		1	2		1	1	2
Papilla, Necrosis																									1
Renal Tubule, Accumulation, Hyaline Droplet																									
Renal Tubule, Dilatation, Focal										1															
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Lymphoid					2																				
Inflammation, Chronic																									2
Transitional Epithelium, Hyperplasia																									1

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	DAY ON TEST																								* TOTALS	
	0 7 1 4	0 6 9 7	0 5 5 7	0 7 3 3	0 7 3 1	0 7 3 2	0 7 3 3	0 4 6 5	0 7 0 4	0 7 3 1	0 7 7 7	0 5 6 8	0 6 8 8	0 7 3 3	0 7 8 3	0 7 3 6	0 7 3 3	0 7 1 6	0 6 4 8	0 7 3 1	0 7 3 2	0 7 3 2	0 6 3 4	0 7 3 4		
<b>B6C3F1 MICE FEMALE</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	
<b>30 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	5	5	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	
Clear Cell Focus												X			X										5	
Eosinophilic Focus				X			X				X				X			X							14	
Hematopoietic Cell Proliferation						1		1																	6 1.0	
Hemorrhage												2													1 2.0	
Hyperplasia, Lymphoid																									1 2.0	
Infarct					3																				1 3.0	
Karyomegaly																2									1 2.0	
Mixed Cell Focus																X									2	
Necrosis, Focal	4		2								2		1		2										10 1.9	
Hepatocyte, Hypertrophy						2								2							2				5 1.6	
Kupffer Cell, Pigmentation						2																			2 1.5	
Mesentery		+	+	+							+	+	+										+		17	
Fat, Necrosis		1		2	2						1	2	2										1		17 1.8	
Pancreas		+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	49	
Atrophy																									1 1.0	
Cyst																									2 2.0	
Fibrosis																									1 1.0	
Hyperplasia, Lymphoid											2							2							2 2.0	
Inflammation, Granulomatous, Chronic																									1 4.0	
Active		4																							1 1.0	
Metaplasia, Hepatocyte						1																			1 1.0	
Mineralization																						2			1 2.0	
Salivary Glands		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Atrophy																									1 3.0	
Hyperplasia, Lymphoid		2						2		2							2					3			12 2.1	
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	

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	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		
	7	6	5	7	7	7	7	4	7	7	5	6	6	7	7	3	7	7	7	6	7	7	6	7		
	1	9	5	3	3	3	3	6	0	3	7	6	8	3	3	8	3	3	1	4	3	3	3	2	3	
	4	7	7	3	1	2	3	5	4	1	7	8	8	3	3	6	3	2	6	8	1	2	2	4	3	
<b>B6C3F1 MICE FEMALE</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	
<b>30 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	5	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	

Edema																										1	4.0					
Inflammation, Chronic																											2	1.5				
Ulcer																											4	2.3				
Epithelium, Hyperplasia	3					2						2				1						2					3	4	3	10	2.4	
Stomach, Glandular	+	+	A	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48					
Cyst													2														2			8	2.0	
Edema																														1	3.0	
Erosion																														1	1.0	
Mineralization																														1	1.0	
Ulcer													3																	1	3.0	
Epithelium, Hyperplasia																														2	1	2.0

**CARDIOVASCULAR SYSTEM**

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50				
Cardiomyopathy	1				1								1														1			10	1.1
Mineralization				2												1														3	1.3

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50				
Accessory Adrenal Cortical Nodule																														4	1.3
Degeneration, Fatty																														1	2.0
Hematopoietic Cell Proliferation																														2	2.5
Hyperplasia, Focal																														1	1.0
Hypertrophy, Focal																														1	1.0
Capsule, Hyperplasia	2	2	2	2	2	3	2	2	3	2	2	2	2	2	2	2	2	2	2	2	4	2	4	2	2	2	49	2.2			

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DAY ON TEST	0 0																								* TOTALS		
	7 6 5 7 7 7 7 4 7 7 5 6 6 7 7 3 7 7 7 6 7 7 7 6 7																										
ANIMAL ID	1 9 5 3 3 3 3 6 0 3 7 6 8 3 3 8 3 3 1 4 3 3 3 2 3																										
	4 7 7 3 1 2 3 5 4 1 7 8 8 3 3 6 3 2 6 8 1 2 2 4 3																										
<b>B6C3F1 MICE FEMALE</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	
<b>30 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	5	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0		

Adrenal Medulla Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	2 2.0
Islets, Pancreatic Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	49	4 1.3
Parathyroid Gland	M	+	+	+	+	+	+	+	+	+	+	A	+	+	M	+	+	+	+	+	+	+	+	+	+	46	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Pars Distalis, Angiectasis																										2	2 3.0
Pars Distalis, Cyst																											3 2.0
Pars Distalis, Hyperplasia, Focal				1		4				4					2	2				4							12 2.1
Pars Intermedia, Hyperplasia, Focal										1																	1 1.0
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Inflammation, Chronic												2															1 2.0
Follicle, Degeneration, Focal	2	1			2	4	2	1	3	1	2		1	1	2	2	1	1				3	3		1		35 1.9
Follicular Cell, Hyperplasia																									3		1 3.0
Follicular Cell, Hyperplasia, Focal							2																				2 1.5

**GENERAL BODY SYSTEM**

Tissue NOS	+																										4	
Abdominal, Fat, Inflammation, Chronic Active	2																											1 2.0

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

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0 0																								* TOTALS		
	7 6 5 7 7 7 7 4 7 7 5 6 6 7 7 3 7 7 7 6 7 7 7 6 7																										
ANIMAL ID	1 9 5 3 3 3 3 6 0 3 7 6 8 3 3 8 3 3 1 4 3 3 3 2 3																								* TOTALS		
	4 7 7 3 1 2 3 5 4 1 7 8 8 3 3 6 3 2 6 8 1 2 2 4 3																										
<b>B6C3F1 MICE FEMALE</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	* TOTALS
<b>30 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	5	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0		

**GENITAL SYSTEM**

Clitoral Gland	+ +																								50	
Ovary	+ + + + + + + + + + + + A +																								48	
Cyst																									6	2.0
Hemorrhage																									17	2.1
Inflammation, Chronic																									1	4.0
Mineralization																									1	2.0
Thrombosis																									5	3.2
Interstitial Cell, Hyperplasia																									1	3.0
Uterus	+ + + + + + + + + + + + A +																								49	
Hemorrhage																									1	3.0
Hyperplasia, Cystic	4 2 4 4 4 4 4 2 4 2 2 3 1 2 3 4 3 4 4 3 4																								43	3.2
Myometrium, Hypertrophy																									1	3.0
Vagina																									1	

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+ +																								50	
Angiectasis																									1	3.0
Infiltration Cellular, Histiocyte																									1	2.0
Myeloid Cell, Hyperplasia																									1	3.0
Lymph Node	+ +																								15	

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

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

	DAY ON TEST																										
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	7	6	5	7	7	7	7	4	7	7	5	6	6	7	7	3	7	7	7	6	7	7	6	7			
	1	9	5	3	3	3	3	6	0	3	7	6	8	3	3	8	3	3	1	4	3	3	3	2	3		
	4	7	7	3	1	2	3	5	4	1	7	8	8	3	3	6	3	2	6	8	1	2	2	4	3		
<b>B6C3F1 MICE FEMALE</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		
<b>30 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	5		
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0		
																									<b>* TOTALS</b>		
Ectasia				4											4											<b>6 3.8</b>	
Hemorrhage				2											3											<b>4 2.8</b>	
Iliac, Ectasia															2											<b>2 2.0</b>	
Iliac, Hemorrhage															3											<b>1 3.0</b>	
Iliac, Hyperplasia, Lymphoid															2											<b>1 2.0</b>	
Iliac, Infiltration Cellular, Histiocyte				4																						<b>1 4.0</b>	
Renal, Ectasia															2											<b>1 2.0</b>	
Renal, Hyperplasia, Lymphoid																										<b>1 2.0</b>	
Renal, Infiltration Cellular, Histiocyte				4																						<b>1 4.0</b>	
Lymph Node, Mandibular Hyperplasia, Histiocytic Hyperplasia, Lymphoid	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	M	+	<b>46</b>	<b>1 3.0</b>
															4											<b>4 2.5</b>	
Lymph Node, Mesenteric Atrophy Ectasia Hematopoietic Cell Proliferation	+	M	+	+	+	+	+	+	+	+	+	+	M	+	+	+	M	+	+	+	A	+	+	+	+	<b>45</b>	<b>2 2.0</b>
															2											<b>1 3.0</b>	
															2											<b>1 2.0</b>	
Spleen Hematopoietic Cell Proliferation Hyperplasia, Lymphoid Pigmentation Lymphoid Follicle, Atrophy Lymphoid Follicle, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	A	+	+	+	+	<b>48</b>	<b>31 3.2</b>
	4			3	4					3	2	4		4	4	3			3	4			3	3	2	3	<b>1 3.0</b>
															3											<b>9 1.6</b>	
															1											<b>1 1.0</b>	
															2											<b>1 1.0</b>	
				3		2		2		2				2	1		1	2			2		1			<b>19 1.8</b>	
Thymus Cyst Hemorrhage	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	M	+	+	+	I	+	+	+	+	<b>46</b>	<b>4 2.0</b>
															2											<b>10 1.6</b>	
															1											<b>2</b>	

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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0																								* TOTALS	
	7	6	5	7	7	7	7	4	7	7	5	6	6	7	7	3	7	7	6	7	7	6	7			
	1	9	5	3	3	3	3	6	0	3	7	6	8	3	3	8	3	3	1	4	3	3	2	3		
	4	7	7	3	1	2	3	5	4	1	7	8	8	3	3	6	3	2	6	8	1	2	2	4	3	
<b>B6C3F1 MICE FEMALE</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		
<b>30 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
ANIMAL ID	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	5		
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	

**INTEGUMENTARY SYSTEM**

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hyperplasia											1	2			1										4 1.3
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Edema																									2 4.0
Hyperkeratosis																						1			3 1.0
Hyperplasia, Melanocyte														1								2			2 1.5
Inflammation, Chronic																						1			7 1.0
Epidermis, Hyperplasia																						2			2 1.5
Epidermis, Site Of Application, Hyperplasia				1	1	1	1	1		2	4			2	1		1	1		2	1	1	1	1	31 1.5
Site Of Application, Erosion																									1 2.0
Site Of Application, Hyperkeratosis		1		1	1	1	3	1		3	4			2	1		1	1		2	1	1	1	1	37 1.6
Site Of Application, Hyperplasia, Melanocyte	1		1	2	1	1	1			1		1	1	2	1		1	1			1	1			33 1.2
Site Of Application, Inflammation, Chronic				2	1	1	1	2		1	4	1		2	2		2	2				2			33 1.5
Site Of Application, Ulcer											4														2 2.5
Subcutaneous Tissue, Hemorrhage																									1 2.0
Subcutaneous Tissue, Necrosis																									1 2.0

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cranium, Osteopetrosis																									1 2.0
Femur, Fibro-Osseous Lesion		2		1										1			2					1			12 1.9
Femur, Hyperostosis																									1 2.0

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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0 0																								
	7 6 5 7 7 7 7 4 7 7 5 6 6 7 7 3 7 7 7 6 7 7 7 6 7																								
ANIMAL ID	1 9 5 3 3 3 3 6 0 3 7 6 8 3 3 8 3 3 1 4 3 3 3 2 3																								
	4 7 7 3 1 2 3 5 4 1 7 8 8 3 3 6 3 2 6 8 1 2 2 4 3																								
<b>B6C3F1 MICE FEMALE</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	
<b>30 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	2	2	2	2	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	5	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
																								<b>* TOTALS</b>	

Skeletal Muscle + + 2

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Compression								3					4												2 3.5
Hemorrhage																									2 1.0
Hyperplasia, Lymphoid																						1			2 1.0
Infiltration Cellular, Lipocyte															2										1 2.0
Inflammation, Acute																									1 1.0
Necrosis, Focal																									1 2.0

**RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Congestion																						2			1 2.0
Hemorrhage				1							1														3 1.0
Infiltration Cellular, Histiocyte																1							3		3 2.0
Alveolar Epithelium, Hyperplasia					3					3						1									3 2.3
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Foreign Body																									1 1.0
Inflammation, Chronic																									2 2.0
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

**SPECIAL SENSES SYSTEM**

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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
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 First Dose M/F: 04/26/04 / 04/26/04  
 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		
	7	6	5	7	7	7	7	4	7	7	5	6	6	7	7	3	7	7	7	6	7	7	6	7		
	1	9	5	3	3	3	3	6	0	3	7	6	8	3	3	8	3	3	1	4	3	3	3	2	3	
	4	7	7	3	1	2	3	5	4	1	7	8	8	3	3	6	3	2	6	8	1	2	2	4	3	
<b>B6C3F1 MICE FEMALE</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	
<b>30 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	
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	5	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	

Eye	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	48	
Inflammation, Chronic																											1 2.0
Cornea, Hyperplasia												2															3 1.3
Cornea, Inflammation, Chronic												2															1 2.0
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Fibrosis																											1 3.0
Hyperplasia, Focal				2				3		2				3						4							5 2.8
Inflammation, Chronic															2			2									3 2.0

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	48	
Casts Protein																											1 1.0
Hyperplasia, Lymphoid			2			2			2		2	2									2	3		2	2		16 2.1
Infarct														1								2					6 2.2
Metaplasia, Osseous																						1					3 1.7
Mineralization																											2 1.0
Nephropathy			1	2	1	2	2	1				1	1			1	1	4	2	2			3	1	1	2	36 1.5
Papilla, Necrosis																											1 1.0
Renal Tubule, Accumulation, Hyaline Droplet					2						2																2 2.0
Renal Tubule, Dilatation, Focal																											1 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	48	
Hyperplasia, Lymphoid																											10 2.0
Inflammation, Chronic			2						2																2		1 2.0
Transitional Epithelium, Hyperplasia																											1 1.0

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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
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**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0 0																								
	3 7 7 6 6 7 7 7 7 7 7 7 7 7 5 7 7 7 7 7 7 7 7 6 7																								
ANIMAL ID	7 3 3 8 0 3 3 3 3 2 2 3 3 3 3 2 2 2 3 3 3 3 3 9 2																								
	9 3 3 0 3 2 1 1 1 9 9 2 1 3 7 5 9 3 2 2 2 2 1 8 9																								
<b>B6C3F1 MICE FEMALE</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
<b>90 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

females (cont...)

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Gallbladder	A	+	+	A	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	I	+	+	+
Intestine Large, Cecum	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	A	+	+	A	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	A	+	+	A	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	A	+	+	A	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	A	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	A	+	+	A	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basophilic Focus																										
Clear Cell Focus																										
Eosinophilic Focus		X	X			X	X			X		X											X			
Hematopoietic Cell Proliferation									1		1							1								
Hyperplasia, Lymphoid																							2			
Necrosis, Focal						1																2		2		1
Hepatocyte, Vacuolization Cytoplasmic															3											

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

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	ANIMAL ID																									females (cont...)
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	7	7	6	6	7	7	7	7	7	7	7	7	7	5	7	7	7	7	7	7	7	7	6	7		
7	3	3	8	0	3	3	3	3	2	2	3	3	3	3	2	2	2	3	3	3	3	3	9	2		
9	3	3	0	3	2	1	1	1	9	9	2	1	3	7	5	9	3	2	2	2	2	1	8	9		
.....																										
B6C3F1 MICE FEMALE 90 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	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		
	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7		
1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5		
.....																										
Mesentery									+	+	+															
Hemorrhage																										
Fat, Necrosis									2	1																
.....																										
Pancreas	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+			
Atrophy		4																								
Cyst		2	2																							
Hyperplasia, Lymphoid																										
Acinus, Hyperplasia, Focal																										
.....																										
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Hyperplasia, Lymphoid		2	2						2																	
.....																										
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Ulcer																										
Epithelium, Hyperplasia																										
.....																										
Stomach, Glandular	A	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Cyst																										
Erosion																										
Foreign Body																										
Inflammation, Acute																										
Mineralization																										
.....																										
Tongue																										
.....																										
Tooth																										
.....																										

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 + .. Tissue examined microscopically  
 x .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked  
 Page 133

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	ANIMAL ID																									females (cont...)
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	7	7	6	6	7	7	7	7	7	7	7	7	7	5	7	7	7	7	7	7	7	7	6	7	0	
7	3	3	8	0	3	3	3	3	2	2	3	3	3	3	2	2	2	3	3	3	3	3	9	2	0	
9	3	3	0	3	2	1	1	1	9	9	2	1	3	7	5	9	3	2	2	2	2	1	8	9	0	
<b>B6C3F1 MICE FEMALE</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	
<b>90 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	

**CARDIOVASCULAR SYSTEM**

Blood Vessel

Heart +  
 Cardiomyopathy 2 1 1

**ENDOCRINE SYSTEM**

Adrenal Cortex +  
 Accessory Adrenal Cortical Nodule 1  
 Degeneration, Fatty  
 Hematopoietic Cell Proliferation  
 Hypertrophy, Focal 3  
 Capsule, Hyperplasia 3 2 2 2 3 2 2 2 2 2 2 2 2 2 1 2 2 2 2 2 2 2 2 2

Adrenal Medulla +  
 Hyperplasia

Islets, Pancreatic + + + A A + + + + + + + + + + M + + + + + + + + + + + + +  
 Angiectasis  
 Hyperplasia 1 1

Parathyroid Gland M + + + + M +  
 Inflammation, Chronic

Pituitary Gland + + + A + + + + M + M + + + + + + + + + + + + M + + + + +

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 x .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked  
 Page 134

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0 0																								
	3 7 7 6 6 7 7 7 7 7 7 7 7 7 5 7 7 7 7 7 7 7 7 6 7																								
ANIMAL ID	7 3 3 8 0 3 3 3 3 2 2 3 3 3 3 2 2 2 3 3 3 3 3 9 2																								
	9 3 3 0 3 2 1 1 1 9 9 2 1 3 7 5 9 3 2 2 2 2 1 8 9																								
<b>B6C3F1 MICE FEMALE</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
<b>90 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

females (cont...)

Pars Distalis, Angiectasis																										3
Pars Distalis, Cyst																										
Pars Distalis, Hyperplasia, Focal																										1
Pars Intermedia, Hypertrophy																										2
Thyroid Gland																										
Inflammation, Acute	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Ultimobranchial Cyst																										2
Follicle, Degeneration, Focal																										2
Follicular Cell, Hyperplasia																										2

**GENERAL BODY SYSTEM**  
 NONE

**GENITAL SYSTEM**

Clitoral Gland																											
Inflammation, Chronic	+	+	M	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	
Ovary																											
Angiectasis																											
Cyst																										2	
Hemorrhage																										2	
Thrombosis	2				4			2				1	2	3				2				1	2	2			1
Oviduct																											

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

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	ANIMAL ID																									females (cont...)
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	7	7	6	6	7	7	7	7	7	7	7	7	7	5	7	7	7	7	7	7	7	7	6	7		
7	3	3	8	0	3	3	3	3	2	2	3	3	3	3	2	2	2	3	3	3	3	3	9	2		
9	3	3	0	3	2	1	1	1	9	9	2	1	3	7	5	9	3	2	2	2	2	1	8	9		
<b>B6C3F1 MICE FEMALE</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		
<b>90 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7		
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	

Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage																									
Hyperplasia, Cystic		4	2	4	4	1	1		3	1	4	3	4	4		4	3	4	1	2	4	4	2	3	4
Hyperplasia, Histiocytic											4														
Metaplasia, Osseous																									

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis																								
Hyperplasia, Megakaryocyte																								
Myelofibrosis											2													
Myeloid Cell, Hyperplasia																								

Lymph Node	+			M						+	+		+	+		+	+						+	
Ectasia										3														
Fibrosis																								
Hemorrhage																								
Hyperplasia, Lymphoid																								
Iliac, Ectasia												4												
Iliac, Hemorrhage												4												
Iliac, Hyperplasia, Lymphoid																								

Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy		3				2									3									
Ectasia			2																					
Hyperplasia, Lymphoid																								

Lymph Node, Mesenteric	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
------------------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0 0																								
	3 7 7 6 6 7 7 7 7 7 7 7 7 7 5 7 7 7 7 7 7 7 7 6 7																								
ANIMAL ID	7 3 3 8 0 3 3 3 3 2 2 3 3 3 3 2 2 2 3 3 3 3 3 9 2																								
	9 3 3 0 3 2 1 1 1 9 9 2 1 3 7 5 9 3 2 2 2 2 1 8 9																								
<b>B6C3F1 MICE FEMALE</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
<b>90 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

females (cont...)

Atrophy																										2	4																										2																																															
Hemorrhage																																																																																																				
Spleen																										+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+																																																				
Hematopoietic Cell Proliferation																										4		2			3	2		3	2		4	4		3		2			2	2			3																																																			
Hyperplasia, Lymphoid																																																																																																				
Pigmentation																																																																																																				
Lymphoid Follicle, Atrophy																																																																																																				
Lymphoid Follicle, Hyperplasia																										1					1	1		1		1	1										2		2																																																			
Thymus	M	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+																																																																											
Cyst																										2																2		2																																																								
Hemorrhage																										2	1				1																		1																																																			
Hyperplasia, Lymphoid																																																																																																				

**INTEGUMENTARY SYSTEM**

Mammary Gland																										+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+																																																				
Hyperplasia																																																																																																				
Pigmentation																																																																																																				
Skin																										+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+																																																				
Edema																																																																																																				
Hyperkeratosis																																																																																																				
Hyperplasia, Melanocyte																																																																																																				
Inflammation, Chronic																										2																							1																																																			
Epidermis, Hyperplasia																																																																																																				
Epidermis, Site Of Application, Hyperplasia																										1						1					2	2	2		3	2	3	1	2	2	1	1	4	1																																																		
Site Of Application, Erosion																																																																																																				

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 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically  
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 1) Minimal 3) Moderate  
 2) Mild 4) Marked

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0 0																								
	3 7 7 6 6 7 7 7 7 7 7 7 7 7 5 7 7 7 7 7 7 7 7 6 7																								
ANIMAL ID	7 3 3 8 0 3 3 3 3 2 2 3 3 3 3 2 2 2 3 3 3 3 3 9 2																								
	9 3 3 0 3 2 1 1 1 9 9 2 1 3 7 5 9 3 2 2 2 2 1 8 9																								
<b>B6C3F1 MICE FEMALE</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
<b>90 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

females (cont...)

Site Of Application, Hyperkeratosis	1	1				2	2	1						2	2	2			3	2	2	1	2	2	1	1	4	1	
Site Of Application, Hyperplasia																													
Site Of Application, Hyperplasia, Melanocyte	1	3		3				2	1		1		4		3			4	2	2	1	3	3		1	3			
Site Of Application, Inflammation, Chronic	1			1		1	2	1		1		2	1	2				2	2	2	2	2	2	1	1	3	2		
Site Of Application, Ulcer																											4	4	
Site Of Application, Subcutaneous Tissue, Metaplasia, Osseous				2																									

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cranium, Fibrosis																														3
Cranium, Osteopetrosis																		1	1											
Femur, Fibro-Osseous Lesion				1					1																1				1	
Femur, Hyperostosis				2				2											1		2		1	2						
Vertebra, Arthrosis																														
Skeletal Muscle																														

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Compression																														3
Gliosis																														1
Hemorrhage																														
Hyperplasia, Lymphoid				1				1																						
Inflammation, Chronic																														2

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 + .. Tissue examined microscopically  
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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

	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	
	3	7	7	6	6	7	7	7	7	7	7	7	7	5	7	7	7	7	7	7	7	7	6	7		
	7	3	3	8	0	3	3	3	3	2	2	3	3	3	3	2	2	2	3	3	3	3	9	2		
	9	3	3	0	3	2	1	1	1	9	9	2	1	3	7	5	9	3	2	2	2	2	1	8	9	
<b>B6C3F1 MICE FEMALE</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		
<b>90 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		
	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7		
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	<b>females (cont...)</b>

Harderian Gland	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Cyst																										
Inflammation, Chronic																										2

**URINARY SYSTEM**

Kidney	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Cyst																										
Hemorrhage																										
Hyperplasia, Lymphoid																										2
Infarct																										
Metaplasia, Osseous																										
Mineralization																										
Nephropathy			1	1				1			2	1	2	2	1					1	1	1	1	1	1	
Urinary Bladder	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Hyperplasia, Lymphoid																										3
																										2

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 x .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked  
 Page 140

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0 0																							
	6 7 6 7 7 6 7 7 7 7 7 7 7 7 7 7 7 7 7 6 7 6 7 4																							
ANIMAL ID	5 3 5 2 3 5 3 3 3 3 3 2 3 3 3 3 3 2 3 3 5 3 8 3 9																							
	3 3 3 9 2 5 1 2 1 3 1 9 2 3 1 2 2 9 2 1 7 2 1 2 9																							
<b>B6C3F1 MICE FEMALE</b> <b>90 MG/KG</b>	0 0																							
	0 0																							
	3 4																							
	7 7 7 7 8 0																							
	6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0																							
																								<b>* TOTALS</b>

ALIMENTARY SYSTEM

Esophagus	+ +																								<b>50</b>
Gallbladder	+ + + + + A + + + + + + + + + + + + + + + + + A + + + +																								<b>43</b>
Intestine Large, Cecum	+ A + + + +																								<b>46</b>
Intestine Large, Colon	+ + + + + A + + + + + + + + + + + + + + + + + A + + + +																								<b>44</b>
Intestine Large, Rectum	+ + + + + A + + + + + + + + + + + + + + + + + A + + + +																								<b>44</b>
Intestine Small, Duodenum	+ + + + + A + + + + + + + + + + + + + + + + + A + + + +																								<b>44</b>
Intestine Small, Ileum	+ + + + + A + + + + + + + + + + + + + + + + + A + + + +																								<b>45</b>
Intestine Small, Jejunum	+ + + + + A + + + + + + + + + + + + + + + + + A + + + +																								<b>44</b>
Liver	+ +																								<b>49</b>
Basophilic Focus	X																								<b>2</b>
Clear Cell Focus	X																								<b>4</b>
Eosinophilic Focus	X X X X X X X X																								<b>15</b>
Hematopoietic Cell Proliferation	1 1																								<b>8 1.0</b>
Hyperplasia, Lymphoid	2 2 2 2																								<b>6 2.0</b>
Necrosis, Focal	2																								<b>5 1.6</b>
Hepatocyte, Vacuolization Cytoplasmic																									<b>1 3.0</b>

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

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

	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		
	6	7	6	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7	6	7	6	7	4		
	5	3	5	2	3	5	3	3	3	3	3	2	3	3	3	3	2	3	3	5	3	8	3	9		
	3	3	3	9	2	5	1	2	1	3	1	9	2	3	1	2	2	9	2	1	7	2	1	2	9	
<b>B6C3F1 MICE FEMALE</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		
<b>90 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4		
	7	7	7	7	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0		
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	<b>* TOTALS</b>
Mesentery	+						+	+			+				+								+	13		
Hemorrhage																									1	2.0
Fat, Necrosis	2						2	2			2				2			2					2		11	1.9
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47	
Atrophy																									3	4.0
Cyst																									3	2.0
Hyperplasia, Lymphoid						2																			1	2.0
Acinus, Hyperplasia, Focal												2													1	2.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hyperplasia, Lymphoid	2	2	2				2		2	2	2	2		2		2			2	2		2	2	2	23	2.0
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Ulcer																				1		2			5	1.8
Epithelium, Hyperplasia																						2			4	2.3
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	46	
Cyst					2																2				4	2.0
Erosion																									1	2.0
Foreign Body																									1	1.0
Inflammation, Acute																									1	1.0
Mineralization												1			2										2	1.5
Tongue														+											1	
Tooth																									1	

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 2) Mild 4) Marked  
 Page 142

TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0																								* TOTALS	
	6	7	6	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7	6	7	6	7	4		
	5	3	5	2	3	5	3	3	3	3	3	2	3	3	3	3	3	2	3	3	5	3	8	3	9	
	3	3	3	9	2	5	1	2	1	3	1	9	2	3	1	2	2	9	2	1	7	2	1	2	9	
<b>B6C3F1 MICE FEMALE</b> <b>90 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	0
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	

**CARDIOVASCULAR SYSTEM**

Blood Vessel	+																								1
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cardiomyopathy								2					1		1		1		1			2			9 1.3

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Accessory Adrenal Cortical Nodule																									1 1.0
Degeneration, Fatty											1														1 1.0
Hematopoietic Cell Proliferation																						2		1	2 1.5
Hypertrophy, Focal														1											4 2.0
Capsule, Hyperplasia	3	2	2	2	2	3	2	2	2	2	3	2	2	2	2	2	2	2	2	2	3	3	2	2	50 2.1
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hyperplasia								2		2											1				3 1.7
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Angiectasis			3																						1 3.0
Hyperplasia	1		1																				2		5 1.2
Parathyroid Gland	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	M	+	+	+	46
Inflammation, Chronic															2										1 2.0
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46

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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0																								* TOTALS	
	6	7	6	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7	6	7	6	7	4		
B6C3F1 MICE FEMALE 90 MG/KG	0																								* TOTALS	
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4		
ANIMAL ID	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	
Pars Distalis, Angiectasis																									<b>1 3.0</b>	
Pars Distalis, Cyst	2																								<b>1 2.0</b>	
Pars Distalis, Hyperplasia, Focal				1								2	2												<b>5 1.6</b>	
Pars Intermedia, Hypertrophy																									<b>1 2.0</b>	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	<b>47</b>	
Inflammation, Acute																				2					<b>1 2.0</b>	
Ultimobranchial Cyst																									<b>1 2.0</b>	
Follicle, Degeneration, Focal	3		1	1	1		2	2		3	3		2			1	2		2			1	3	2	1	<b>31 1.9</b>
Follicular Cell, Hyperplasia			1																				2			<b>2 1.5</b>

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Clitoral Gland	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>46</b>	
Inflammation, Chronic																									<b>1 3.0</b>	
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>50</b>	
Angiectasis										3															<b>1 3.0</b>	
Cyst	2			2									2					2							<b>10 2.0</b>	
Hemorrhage		2		4	1							2					2	2			2		1	2	2	<b>18 2.0</b>
Thrombosis									4																<b>3 3.3</b>	
Oviduct																	+								<b>1</b>	

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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

	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				
	6	7	6	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7	6	7	6	7	4				
	5	3	5	2	3	5	3	3	3	3	3	2	3	3	3	3	3	2	3	3	5	3	8	3	9			
	3	3	3	9	2	5	1	2	1	3	1	9	2	3	1	2	2	9	2	1	7	2	1	2	9			
<b>B6C3F1 MICE FEMALE</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			
<b>90 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4			
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0			
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	<b>* TOTALS</b>		
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50			
Hemorrhage																									1	4.0		
Hyperplasia, Cystic	4	4	3	4	4	4	4	3	3	4	1	2	2	4	2	4	3	3	4	2	4	3	4	1	4	47	3.1	
Hyperplasia, Histiocytic																										1	4.0	
Metaplasia, Osseous																	1										1	1.0

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50			
Angiectasis			2																								1	2.0	
Hyperplasia, Megakaryocyte										3																	1	3.0	
Myelofibrosis																											1	2.0	
Myeloid Cell, Hyperplasia																									2		1	2.0	
Lymph Node	+										+																14		
Ectasia											4						4										3	3.7	
Fibrosis											2																1	2.0	
Hemorrhage											3							4									2	3.5	
Hyperplasia, Lymphoid																								4			1	4.0	
Iliac, Ectasia																											1	4.0	
Iliac, Hemorrhage																											1	4.0	
Iliac, Hyperplasia, Lymphoid																											1	2.0	
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Atrophy																											2	4	2.5
Ectasia																												1	2.0
Hyperplasia, Lymphoid																											2	2	2.0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48	

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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 Lab: SRI

DAY ON TEST	0 0																								* TOTALS
	6	7	6	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7	6	7	6	7	4	
ANIMAL ID	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	4	

**B6C3F1 MICE FEMALE**  
**90 MG/KG**

Atrophy	1 2																						2	<b>6 2.2</b>	
Hemorrhage																					2	<b>1 2.0</b>			
Spleen	+ +																								<b>48</b>
Hematopoietic Cell Proliferation	4	3			3			4	2	3	2		3	2		3	2		4					<b>26 2.8</b>	
Hyperplasia, Lymphoid																					2	<b>1 1.0</b>			
Pigmentation	3																						2	<b>3 2.3</b>	
Lymphoid Follicle, Atrophy	2																							<b>2 3.0</b>	
Lymphoid Follicle, Hyperplasia	2	3		1	1		1	2	1		1		2	2	1	2		3	2					<b>23 1.6</b>	
Thymus	+ +																								<b>48</b>
Cyst																					2	<b>4 2.0</b>			
Hemorrhage	1		2	2		2		2		1															<b>9 1.4</b>
Hyperplasia, Lymphoid																					3	<b>1 3.0</b>			

**INTEGUMENTARY SYSTEM**

Mammary Gland	+ +																								<b>50</b>	
Hyperplasia	3																						2	<b>4 2.5</b>		
Pigmentation	2																							<b>1 2.0</b>		
Skin	+ +																								<b>50</b>	
Edema																					2	<b>1 2.0</b>				
Hyperkeratosis	1	2		2	2		1	1		1		1		1		2		2	1	1					<b>12 1.4</b>	
Hyperplasia, Melanocyte																					1	<b>3 1.3</b>				
Inflammation, Chronic	1		2	1	1	2	1	1	1		1	1		1		1		1	1	1					<b>18 1.2</b>	
Epidermis, Hyperplasia	2		2	2		1		1	1		1		1		1		1		1						<b>9 1.2</b>	
Epidermis, Site Of Application, Hyperplasia	2	2		1	1		2	1	3	1	1	2	1	1	1	1		2		4	1					<b>33 1.7</b>
Site Of Application, Erosion																						<b>1 3.0</b>				

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 I .. Insufficient tissue  
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 1) Minimal 3) Moderate  
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TDMS No. 95003 - 06  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/09/2009  
 Time Report Requested: 14:36:21  
 First Dose M/F: 04/26/04 / 04/26/04  
 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		
	6	7	6	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7	6	7	6	7	4		
	5	3	5	2	3	5	3	3	3	3	3	2	3	3	3	3	3	2	3	3	5	3	8	3	9	
	3	3	3	9	2	5	1	2	1	3	1	9	2	3	1	2	2	9	2	1	7	2	1	2	9	
<b>B6C3F1 MICE FEMALE</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	
<b>90 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	

Metaplasia, Osseous	1	2.0
Necrosis, Focal	2	2.0
Spinal Cord	+	2

**RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50			
Congestion					2																					2	2.0	
Fibrosis																					1						1	1.0
Hemorrhage									1																		1	1.0
Hyperplasia, Lymphoid														2													2	2.0
Infiltration Cellular, Histiocyte																						1	2				4	2.0
Alveolar Epithelium, Hyperplasia			2			4															1	2					6	1.8
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Pleura																											1	
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		

**SPECIAL SENSES SYSTEM**

Eye	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	47		
Developmental Malformation																											1	2.0
Inflammation, Chronic																											1	2.0
Cornea, Hyperplasia																											1	2.0

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DAY ON TEST	0																								* TOTALS	
	6	7	6	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7	6	7	6	7	4		
	5	3	5	2	3	5	3	3	3	3	3	2	3	3	3	3	3	2	3	3	5	3	8	3	9	
	3	3	3	9	2	5	1	2	1	3	1	9	2	3	1	2	2	9	2	1	7	2	1	2	9	
<b>B6C3F1 MICE FEMALE</b> <b>90 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	

Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49		
Cyst																									1	2.0	
Inflammation, Chronic											2					2										3	2.0

**URINARY SYSTEM**

Kidney	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	47		
Cyst			2																							3	2.0	
Hemorrhage											2															1	2.0	
Hyperplasia, Lymphoid				2			2	2						2		2		2	2				2	2	3	11	2.1	
Infarct					1													2	3							3	2.0	
Metaplasia, Osseous																					2			4		2	3.0	
Mineralization												1		1												2	1.0	
Nephropathy	2	1		1	2		1	1	2	1	1		1		1	2	1		1			1				30	1.2	
Urinary Bladder	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48		
Hyperplasia, Lymphoid			2				2	2				2													3		8	2.3

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

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