

**TDMs No.** 95003 - 06

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH  
AVERAGE SEVERITY GRADES[b]**

**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

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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Species/Strain: MICE/B6C3F1

Lab: SRI

B6C3F1 MICE MALE	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
<b>Disposition Summary</b>				
Animals Initially in Study	50	50	50	50
Early Deaths				
Accidently Killed		1		
Moribund Sacrifice	4	2	8	5
Natural Death	12	12	7	7
Survivors				
Terminal Sacrifice	34	35	35	38
Animals Examined Microscopically	50	50	50	50
<b>ALIMENTARY SYSTEM</b>				
Gallbladder	(40)	(38)	(44)	(38)
Inflammation, Acute				1 [1.0]
Intestine Large, Cecum	(41)	(46)	(46)	(46)
Intestine Large, Colon	(39)	(43)	(44)	(43)
Edema			1 [2.0]	
Intestine Large, Rectum	(41)	(43)	(46)	(46)
Inflammation, Acute		1 [1.0]		
Intestine Small, Duodenum	(40)	(42)	(44)	(43)
Hemorrhage				1 [2.0]
Intestine Small, Ileum	(40)	(44)	(45)	(43)
Inflammation, Acute			1 [2.0]	
Inflammation, Chronic				1 [3.0]
Intestine Small, Jejunum	(41)	(42)	(45)	(44)
Inflammation, Acute	1 [2.0]		1 [1.0]	
Inflammation, Chronic				1 [4.0]
Mineralization		1 [1.0]		
Necrosis	1 [1.0]	1 [1.0]	1 [1.0]	
Liver	(50)	(50)	(50)	(49)
Angiectasis	2 [3.0]		1 [3.0]	
Basophilic Focus	5	5	3	3
Basophilic Focus, Multiple				1
Bile Stasis		2 [2.5]	1 [3.0]	
Clear Cell Focus	17	18	15	18
Congestion	1 [2.0]	2 [3.0]		
Cyst				2 [3.0]

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B6C3F1 MICE MALE	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Eosinophilic Focus	17	14	16	13
Fatty Change	1 [4.0]			
Hematopoietic Cell Proliferation	4 [1.8]	1 [1.0]	4 [1.3]	7 [1.0]
Hemorrhage	2 [2.5]	2 [2.5]		
Hyperplasia, Lymphoid	1 [2.0]			
Inflammation, Acute	1 [3.0]			
Inflammation, Chronic		2 [2.5]		
Mixed Cell Focus	2	5	2	4
Necrosis, Focal	15 [1.8]	7 [2.6]	8 [2.6]	6 [3.0]
Thrombosis			1 [2.0]	1 [1.0]
Centrilobular, Necrosis	1 [2.0]			
Hepatocyte, Hypertrophy		1 [2.0]		1 [2.0]
Hepatocyte, Vacuolization Cytoplasmic	1 [2.0]	2 [2.0]	1 [2.0]	
Mesentery	(6)	(12)	(8)	(6)
Fibrosis		1 [2.0]	1 [2.0]	1 [2.0]
Hemorrhage		3 [2.7]		1 [2.0]
Inflammation, Chronic				1 [3.0]
Artery, Hyperplasia				1 [3.0]
Fat, Necrosis	5 [2.2]	5 [2.0]	7 [2.0]	4 [1.8]
Pancreas	(49)	(50)	(50)	(49)
Angiectasis	1 [2.0]			
Inflammation, Chronic		1 [2.0]		
Lipomatosis		1 [2.0]	1 [3.0]	
Metaplasia, Hepatocyte	1 [1.0]			
Salivary Glands	(50)	(50)	(50)	(50)
Atrophy	1 [2.0]		2 [1.5]	
Hyperplasia, Lymphoid	12 [2.0]	13 [2.0]	11 [2.0]	10 [2.0]
Inflammation, Chronic Active		1 [2.0]		
Mineralization	1 [1.0]	2 [1.0]	1 [1.0]	
Necrosis		1 [3.0]		
Stomach, Forestomach	(50)	(50)	(50)	(50)
Cyst				1 [2.0]
Edema		1 [2.0]	1 [2.0]	
Erosion	4 [2.0]		2 [2.0]	
Inflammation, Chronic		3 [2.0]	3 [1.7]	3 [2.0]
Ulcer	2 [2.5]	2 [3.0]	5 [2.4]	1 [2.0]
Epithelium, Hyperplasia	5 [2.4]	7 [2.4]	7 [2.1]	6 [2.3]
Stomach, Glandular	(47)	(49)	(49)	(48)
Cyst	2 [2.0]	1 [2.0]	13 [2.0]	5 [2.0]
Erosion	2 [2.0]	1 [1.0]	3 [1.7]	1 [1.0]

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Lab: SRI

B6C3F1 MICE MALE	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Hemorrhage				1 [1.0]
Inflammation, Acute	1 [1.0]		5 [1.8]	1 [2.0]
Inflammation, Chronic				2 [2.0]
Metaplasia, Squamous	1 [2.0]	2 [1.5]	1 [2.0]	1 [1.0]
Mineralization		3 [1.0]	2 [1.0]	
Necrosis			1 [1.0]	
Ulcer	1 [4.0]	2 [2.5]		
Epithelium, Hyperplasia	2 [3.5]	1 [4.0]		
Tooth	(1)	(1)	(0)	(0)
Malformation	1 [2.0]	1 [2.0]		
<b>CARDIOVASCULAR SYSTEM</b>				
Heart	(50)	(50)	(50)	(50)
Cardiomyopathy	11 [1.0]	7 [1.1]	8 [1.3]	4 [1.5]
Mineralization			2 [1.0]	1 [1.0]
Thrombosis		1 [3.0]		
Artery, Inflammation, Chronic				1 [2.0]
<b>ENDOCRINE SYSTEM</b>				
Adrenal Cortex	(50)	(50)	(50)	(49)
Accessory Adrenal Cortical Nodule	2 [2.0]	1 [1.0]	2 [1.5]	8 [1.4]
Degeneration, Fatty	4 [1.0]	12 [1.7]	9 [1.4]	6 [1.3]
Hyperplasia	2 [4.0]			
Hyperplasia, Focal	1 [1.0]	1 [2.0]	1 [2.0]	
Hypertrophy, Focal	16 [2.1]	16 [2.1]	20 [2.1]	12 [2.3]
Capsule, Hyperplasia	38 [2.1]	40 [2.0]	40 [1.7]	36 [1.8]
Adrenal Medulla	(49)	(50)	(50)	(49)
Hyperplasia	4 [1.0]	2 [1.5]	1 [1.0]	5 [1.2]
Islets, Pancreatic	(50)	(50)	(50)	(49)
Angiectasis	1 [3.0]			
Hyperplasia	28 [1.8]	23 [1.9]	28 [1.8]	19 [1.5]
Parathyroid Gland	(48)	(47)	(48)	(45)
Cyst	2 [2.0]	1 [2.0]	1 [2.0]	
Pituitary Gland	(49)	(49)	(50)	(49)
Pars Distalis, Cyst	4 [2.0]	4 [2.0]	5 [2.0]	3 [2.0]
Pars Distalis, Hyperplasia, Focal		1 [2.0]	1 [1.0]	2 [2.0]
Pars Intermedia, Cyst			1 [2.0]	

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B6C3F1 MICE MALE	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Thyroid Gland	(50)	(49)	(50)	(49)
Cyst	1 [2.0]			
Follicle, Degeneration, Focal		1 [3.0]		2 [3.5]
Follicular Cell, Hyperplasia, Focal			1 [2.0]	1 [1.0]
<b>GENERAL BODY SYSTEM</b>				
Tissue NOS	(2)	(2)	(2)	(0)
Fibrosis	1 [2.0]			
<b>GENITAL SYSTEM</b>				
Epididymis	(50)	(50)	(50)	(50)
Amyloid Deposition, Chronic			1 [2.0]	
Angiectasis				1 [2.0]
Fibrosis		1 [3.0]		
Granuloma Sperm			2 [3.0]	
Hemorrhage		1 [3.0]		
Inflammation, Chronic	1 [2.0]	3 [2.0]		3 [1.3]
Necrosis	1 [3.0]			
Spermatocoele		1 [3.0]		1 [2.0]
Penis	(0)	(0)	(2)	(0)
Congestion			1 [2.0]	
Inflammation, Acute			1 [1.0]	
Preputial Gland	(50)	(50)	(50)	(50)
Atrophy	1 [3.0]			
Cyst	3 [2.0]	3 [2.0]	7 [2.0]	5 [2.0]
Hyperplasia			1 [2.0]	
Hyperplasia, Squamous	1 [2.0]			
Inflammation, Chronic	13 [2.2]	18 [2.2]	12 [2.1]	15 [2.3]
Inflammation, Chronic Active	1 [4.0]	3 [2.3]	4 [2.5]	6 [3.0]
Prostate	(50)	(50)	(50)	(48)
Angiectasis		1 [2.0]		1 [2.0]
Cyst				2 [2.5]
Inflammation, Chronic	1 [2.0]	8 [2.3]	6 [2.0]	6 [1.7]
Necrosis	1 [1.0]			
Polyarteritis				2 [2.0]
Epithelium, Hyperplasia	27 [1.5]	20 [1.5]	16 [1.6]	25 [1.5]
Seminal Vesicle	(50)	(50)	(50)	(49)

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B6C3F1 MICE MALE	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Fibrosis		1 [3.0]		1 [2.0]
Infiltration Cellular	1 [3.0]			2 [3.0]
Infiltration Cellular, Lymphocyte	2 [1.0]			
Inflammation, Chronic	1 [1.0]	4 [2.0]		1 [1.0]
Epithelium, Hyperplasia				1 [1.0]
Testes	(50)	(50)	(50)	(50)
Angiectasis			1 [3.0]	1 [3.0]
Germinal Epithelium, Atrophy	6 [1.7]	3 [2.3]	1 [2.0]	1 [3.0]
Interstitial Cell, Hyperplasia			1 [2.0]	
<b>HEMATOPOIETIC SYSTEM</b>				
Bone Marrow	(50)	(50)	(50)	(50)
Hyperplasia				1 [2.0]
Infiltration Cellular, Histiocyte				1 [2.0]
Myelofibrosis			1 [2.0]	
Thrombosis				1 [3.0]
Lymph Node	(5)	(5)	(4)	(6)
Hemorrhage	1 [3.0]			
Pigmentation	1 [3.0]			
Iliac, Hemorrhage			1 [2.0]	1 [4.0]
Iliac, Hyperplasia, Lymphoid	2 [3.0]		1 [2.0]	
Inguinal, Hyperplasia				1 [2.0]
Inguinal, Hyperplasia, Lymphoid	1 [2.0]			1 [3.0]
Mediastinal, Hyperplasia, Lymphoid		1 [3.0]		
Renal, Hyperplasia, Lymphoid	1 [3.0]			
Lymph Node, Mandibular	(49)	(46)	(50)	(49)
Atrophy	3 [1.7]			1 [1.0]
Hematopoietic Cell Proliferation				1 [2.0]
Hemorrhage	1 [2.0]	1 [2.0]		
Hyperplasia, Lymphoid	2 [2.0]	1 [2.0]		6 [3.0]
Hyperplasia, Plasma Cell		1 [4.0]		1 [4.0]
Lymph Node, Mesenteric	(49)	(44)	(49)	(45)
Atrophy	9 [1.6]	4 [1.3]	4 [2.0]	8 [2.1]
Fibrosis	1 [3.0]			1 [4.0]
Hematopoietic Cell Proliferation	3 [3.0]		2 [3.0]	
Hemorrhage	3 [3.7]	3 [2.3]	2 [2.0]	2 [3.5]
Hyperplasia, Histiocytic	1 [3.0]			1 [4.0]
Hyperplasia, Lymphoid	4 [3.0]	2 [3.5]	2 [2.5]	6 [3.7]

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B6C3F1 MICE MALE	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Hyperplasia, Plasma Cell	2 [2.5]	2 [3.5]	2 [3.0]	4 [4.0]
Infiltration Cellular, Neutrophil	2 [2.5]	1 [2.0]	2 [2.0]	3 [2.3]
Inflammation, Chronic	1 [1.0]			1 [4.0]
Spleen	(48)	(47)	(49)	(49)
Fibrosis			1 [2.0]	
Hematopoietic Cell Proliferation	11 [3.2]	16 [3.4]	16 [3.6]	20 [3.3]
Necrosis				1 [2.0]
Pigmentation		1 [2.0]		
Lymphoid Follicle, Atrophy	1 [2.0]	4 [2.5]	2 [2.5]	2 [1.5]
Lymphoid Follicle, Hyperplasia		1 [1.0]	2 [2.0]	3 [1.3]
Thymus	(44)	(48)	(46)	(40)
Cyst	10 [2.0]	7 [2.0]	4 [2.0]	4 [2.0]

## INTEGUMENTARY SYSTEM

Mammary Gland	(50)	(50)	(50)	(50)
Infiltration Cellular				1 [4.0]
Skin	(50)	(50)	(50)	(50)
Cyst Epithelial Inclusion		1	1	
Edema		2 [2.0]	1 [2.0]	
Hyperkeratosis	1 [2.0]	3 [2.7]	1 [1.0]	5 [1.0]
Hyperplasia, Melanocyte		1 [3.0]		
Inflammation, Chronic		3 [2.0]	2 [1.0]	6 [1.0]
Metaplasia, Osseous		1 [4.0]		
Ulcer		1 [4.0]	1 [4.0]	
Epidermis, Hyperplasia		2 [3.5]		4 [1.0]
Epidermis, Site Of Application, Hyperplasia	7 [1.1]	13 [1.5]	29 [1.2]	37 [1.6]
Prepuce, Hyperkeratosis			1 [3.0]	
Site Of Application, Erosion		1 [2.0]		
Site Of Application, Fibrosis		1 [1.0]	5 [2.0]	1 [1.0]
Site Of Application, Hyperkeratosis	17 [1.2]	19 [1.7]	26 [1.3]	40 [1.6]
Site Of Application, Hyperplasia, Melanocyte		1 [1.0]	23 [1.2]	44 [2.2]
Site Of Application, Inflammation, Chronic	1 [1.0]	8 [1.4]	15 [1.2]	43 [1.7]
Site Of Application, Ulcer		2 [3.0]	2 [3.5]	5 [1.6]
Site Of Application, Subcutaneous Tissue, Hemorrhage				1 [2.0]

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B6C3F1 MICE MALE	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Subcutaneous Tissue, Hemorrhage				1 [2.0]
<b>MUSCULOSKELETAL SYSTEM</b>				
Bone	(50)	(49)	(50)	(50)
Osteopetrosis			1 [3.0]	
Cranium, Osteopetrosis	2 [2.0]	1 [2.0]	2 [2.0]	
Skeletal Muscle	(1)	(4)	(1)	(1)
<b>NERVOUS SYSTEM</b>				
Brain	(50)	(50)	(50)	(50)
Compression				1 [2.0]
Congestion	1 [2.0]			1 [2.0]
Hemorrhage	2 [1.0]	5 [1.0]	4 [1.3]	5 [1.4]
Hyperplasia, Lymphoid		2 [1.0]		1 [1.0]
Infiltration Cellular, Histiocyte, Focal				1 [2.0]
<b>RESPIRATORY SYSTEM</b>				
Lung	(50)	(50)	(50)	(50)
Congestion	2 [3.0]	3 [2.0]	1 [1.0]	
Hemorrhage	2 [1.5]	6 [1.8]	2 [1.0]	
Hyperplasia, Lymphoid	1 [2.0]			2 [2.0]
Infiltration Cellular, Histiocyte	8 [2.5]	3 [2.3]	8 [1.9]	12 [2.1]
Inflammation, Suppurative	1 [4.0]			
Inflammation, Chronic			1 [2.0]	
Metaplasia, Osseous	1 [1.0]		1 [1.0]	
Necrosis	1 [4.0]			
Thrombosis		1 [1.0]		
Alveolar Epithelium, Hyperplasia	5 [1.0]	6 [1.8]	5 [2.6]	8 [2.8]
Nose	(50)	(50)	(50)	(50)
Foreign Body	1			3
Inflammation, Suppurative	1 [2.0]			2 [1.5]
Inflammation, Chronic	6 [1.3]	6 [1.7]	5 [2.0]	3 [1.7]
Inflammation, Chronic Active				2 [2.5]
Respiratory Epithelium, Hyperplasia			2 [2.5]	1 [1.0]
Respiratory Epithelium, Metaplasia,			1 [2.0]	

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B6C3F1 MICE MALE	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Squamous Trachea Inflammation, Chronic	(50)	(50)	(50) 1 [2.0]	(50)
<b>SPECIAL SENSES SYSTEM</b>				
Eye	(49)	(48)	(48)	(45)
Atrophy	1 [4.0]			1 [4.0]
Fibrosis				1 [3.0]
Inflammation, Chronic	1 [2.0]			1 [4.0]
Inflammation, Chronic Active		1 [2.0]	1 [2.0]	4 [2.8]
Cornea, Hyperplasia		1 [2.0]	1 [2.0]	4 [3.0]
Cornea, Necrosis				1 [3.0]
Retina, Vacuolization Cytoplasmic			1 [2.0]	
Harderian Gland	(48)	(50)	(50)	(50)
Fibrosis	1 [2.0]			
Hyperplasia		1 [4.0]		
Hyperplasia, Focal	2 [2.0]	2 [2.0]	1 [1.0]	3 [2.0]
Inflammation, Chronic	3 [2.0]	3 [2.0]		2 [2.0]
Metaplasia, Osseous				1 [2.0]
<b>URINARY SYSTEM</b>				
Kidney	(48)	(49)	(49)	(47)
Casts Granular		2 [2.0]		
Casts Protein		1 [1.0]		
Cyst	15 [2.0]	13 [2.0]	7 [2.0]	9 [2.0]
Hyperplasia, Lymphoid	10 [2.0]	18 [2.0]	10 [2.0]	18 [2.0]
Hyperplasia, Oncocytic	1 [2.0]			
Infarct	2 [2.5]	4 [2.0]		2 [2.0]
Inflammation, Suppurative		1 [2.0]		
Inflammation, Chronic	1 [1.0]			
Metaplasia, Osseous	6 [1.8]	8 [1.8]	4 [1.8]	3 [2.0]
Nephropathy	41 [2.0]	43 [2.0]	45 [1.8]	45 [1.6]
Capsule, Fibrosis				1 [2.0]
Capsule, Pigmentation				1 [2.0]
Papilla, Necrosis	1 [3.0]	3 [2.0]		
Pelvis, Dilatation	1 [2.0]	1 [2.0]		1 [2.0]
Renal Tubule, Accumulation, Hyaline				1 [3.0]

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Droplet				
Renal Tubule, Dilatation, Focal		1 [1.0]		1 [2.0]
Renal Tubule, Hyperplasia	2 [1.0]	2 [2.5]	2 [1.0]	
Renal Tubule, Necrosis			1 [4.0]	1 [1.0]
Renal Tubule, Pigmentation		1 [3.0]		1 [1.0]
Urethra	(1)	(0)	(0)	(0)
Bulbourethral Gland, Necrosis	1 [4.0]			
Urinary Bladder	(49)	(48)	(49)	(48)
Edema		3 [2.7]		
Hemorrhage	1 [2.0]			
Hyperplasia, Lymphoid	1 [2.0]	2 [2.5]	1 [2.0]	1 [2.0]
Necrosis	1 [2.0]	1 [2.0]		

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

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Species/Strain: MICE/B6C3F1

Lab: SRI

B6C3F1 MICE FEMALE	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
<b>Disposition Summary</b>				
Animals Initially in Study	50	50	50	50
Early Deaths				
Moribund Sacrifice	6	6	10	7
Natural Death	7	5	9	6
Survivors				
Terminal Sacrifice	37	39	31	37
Animals Examined Microscopically	50	50	50	50
<b>ALIMENTARY SYSTEM</b>				
Gallbladder	(44)	(47)	(40)	(43)
Intestine Large, Cecum	(47)	(49)	(45)	(46)
Edema			1 [2.0]	
Intestine Large, Colon	(44)	(47)	(42)	(44)
Edema		1 [2.0]	2 [1.5]	
Inflammation, Acute		1 [1.0]		
Intestine Large, Rectum	(45)	(48)	(43)	(44)
Intestine Small, Duodenum	(43)	(47)	(43)	(44)
Hyperplasia		1 [2.0]		
Ulcer		1 [4.0]		
Intestine Small, Ileum	(43)	(45)	(42)	(45)
Dilatation			1 [4.0]	
Inflammation, Acute		2 [2.0]	1 [2.0]	
Epithelium, Hyperplasia			1 [3.0]	
Intestine Small, Jejunum	(43)	(46)	(42)	(44)
Necrosis			1 [1.0]	
Liver	(50)	(50)	(50)	(49)
Angiectasis	3 [2.7]	3 [2.0]		
Basophilic Focus	4	2	3	2
Bile Stasis		1 [2.0]	1 [3.0]	
Clear Cell Focus	6	3	5	4
Congestion		1 [2.0]		
Eosinophilic Focus	16	13	14	15
Fatty Change	1 [3.0]			
Hematopoietic Cell Proliferation	13 [1.2]	15 [1.1]	6 [1.0]	8 [1.0]
Hemorrhage	2 [3.0]	1 [1.0]	1 [2.0]	

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

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

B6C3F1 MICE FEMALE	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Hyperplasia, Lymphoid	2 [2.0]	5 [2.0]	1 [2.0]	6 [2.0]
Infarct		1 [4.0]	1 [3.0]	
Inflammation, Chronic	1 [3.0]			
Karyomegaly			1 [2.0]	
Mixed Cell Focus	1	2	2	
Necrosis, Focal	6 [2.0]	10 [2.2]	10 [1.9]	5 [1.6]
Vacuolization Cytoplasmic		2 [2.0]		
Centrilobular, Necrosis	1 [2.0]	1 [4.0]		
Hepatocyte, Hypertrophy			5 [1.6]	
Hepatocyte, Vacuolization Cytoplasmic	1 [2.0]	2 [2.5]		1 [3.0]
Kupffer Cell, Pigmentation	2 [2.0]	2 [2.0]	2 [1.5]	
Mesentery	(16)	(22)	(17)	(13)
Congestion	1 [2.0]			
Fibrosis	1 [2.0]			
Hemorrhage		1 [2.0]		1 [2.0]
Fat, Necrosis	15 [2.1]	21 [2.0]	17 [1.8]	11 [1.9]
Pancreas	(50)	(50)	(49)	(47)
Atrophy	2 [2.5]	4 [2.8]	1 [1.0]	3 [4.0]
Cyst		2 [2.0]	2 [2.0]	3 [2.0]
Fibrosis			1 [1.0]	
Hyperplasia, Lymphoid	1 [2.0]		2 [2.0]	1 [2.0]
Inflammation, Granulomatous, Chronic			1 [4.0]	
Active				
Inflammation, Focal, Chronic		1 [3.0]		
Metaplasia, Hepatocyte			1 [1.0]	
Mineralization			1 [2.0]	
Necrosis		1 [2.0]		
Acinus, Hyperplasia, Focal	1 [2.0]			1 [2.0]
Salivary Glands	(50)	(50)	(50)	(50)
Atrophy	1 [1.0]		1 [3.0]	
Hyperplasia, Lymphoid	20 [2.0]	14 [2.0]	12 [2.1]	23 [2.0]
Mineralization	3 [1.0]	1 [1.0]		
Stomach, Forestomach	(50)	(50)	(50)	(50)
Edema		1 [1.0]	1 [4.0]	
Erosion	2 [1.0]	1 [1.0]		
Inflammation, Chronic	1 [2.0]	1 [2.0]	2 [1.5]	
Ulcer	2 [1.5]	2 [2.5]	4 [2.3]	5 [1.8]
Epithelium, Hyperplasia	6 [2.0]	7 [2.0]	10 [2.4]	4 [2.3]
Stomach, Glandular	(48)	(48)	(48)	(46)
Cyst	5 [2.0]	3 [2.0]	8 [2.0]	4 [2.0]

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

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

B6C3F1 MICE FEMALE	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Edema			1 [3.0]	
Erosion		3 [1.3]	1 [1.0]	1 [2.0]
Foreign Body				1 [1.0]
Inflammation, Acute				1 [1.0]
Mineralization	1 [1.0]	1 [1.0]	1 [1.0]	2 [1.5]
Ulcer	1 [2.0]		1 [3.0]	
Epithelium, Hyperplasia	1 [2.0]		1 [2.0]	
<b>CARDIOVASCULAR SYSTEM</b>				
Heart	(50)	(50)	(50)	(50)
Cardiomyopathy	8 [1.0]	12 [1.2]	10 [1.1]	9 [1.3]
Mineralization	1 [1.0]	1 [1.0]	3 [1.3]	
<b>ENDOCRINE SYSTEM</b>				
Adrenal Cortex	(50)	(49)	(50)	(50)
Accessory Adrenal Cortical Nodule	6 [1.3]	2 [2.0]	4 [1.3]	1 [1.0]
Degeneration, Fatty	3 [3.3]	2 [2.5]	1 [2.0]	1 [1.0]
Hematopoietic Cell Proliferation	2 [1.5]		2 [2.5]	2 [1.5]
Hyperplasia, Focal	1 [2.0]	2 [1.0]	1 [1.0]	
Hypertrophy, Focal		2 [2.5]	1 [1.0]	4 [2.0]
Capsule, Hyperplasia	48 [2.3]	47 [2.2]	49 [2.2]	50 [2.1]
Adrenal Medulla	(50)	(49)	(50)	(50)
Hyperplasia	2 [1.5]	4 [2.3]	2 [2.0]	3 [1.7]
Islets, Pancreatic	(50)	(50)	(49)	(47)
Angiectasis				1 [3.0]
Hyperplasia	4 [1.0]	2 [1.5]	4 [1.3]	5 [1.2]
Parathyroid Gland	(46)	(48)	(46)	(46)
Inflammation, Chronic				1 [2.0]
Pituitary Gland	(47)	(49)	(50)	(46)
Pars Distalis, Angiectasis		2 [2.0]	2 [3.0]	1 [3.0]
Pars Distalis, Cyst	1 [2.0]		3 [2.0]	1 [2.0]
Pars Distalis, Hyperplasia	3 [4.0]	1 [4.0]		
Pars Distalis, Hyperplasia, Focal	6 [2.7]	6 [2.3]	12 [2.1]	5 [1.6]
Pars Intermedia, Cyst	1 [2.0]			
Pars Intermedia, Hyperplasia, Focal	1 [2.0]		1 [1.0]	
Pars Intermedia, Hypertrophy				1 [2.0]
Thyroid Gland	(49)	(50)	(49)	(47)

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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

B6C3F1 MICE FEMALE	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Infiltration Cellular, Lymphocyte Inflammation, Acute	1 [2.0]			1 [2.0]
Inflammation, Chronic		1 [1.0]	1 [2.0]	
Ultimobranchial Cyst				1 [2.0]
Bilateral, Follicular Cell, Hyperplasia, Diffuse		1 [3.0]		
Follicle, Degeneration, Focal	30 [1.7]	31 [2.2]	35 [1.9]	31 [1.9]
Follicular Cell, Hyperplasia		1 [1.0]	1 [3.0]	2 [1.5]
Follicular Cell, Hyperplasia, Focal	2 [2.0]	2 [2.5]	2 [1.5]	
<b>GENERAL BODY SYSTEM</b>				
Tissue NOS	(3)	(2)	(4)	(0)
Fibrosis	1 [3.0]			
Abdominal, Fat, Inflammation, Chronic Active			1 [2.0]	
<b>GENITAL SYSTEM</b>				
Clitoral Gland	(48)	(49)	(50)	(46)
Inflammation, Chronic	2 [3.0]	1 [3.0]		1 [3.0]
Ovary	(49)	(50)	(48)	(50)
Angiectasis	1 [2.0]	1 [3.0]		1 [3.0]
Cyst	9 [2.0]	17 [2.0]	6 [2.0]	10 [2.0]
Hemorrhage	9 [2.7]	15 [2.1]	17 [2.1]	18 [2.0]
Inflammation, Chronic			1 [4.0]	
Mineralization			1 [2.0]	
Thrombosis	1 [3.0]	2 [4.0]	5 [3.2]	3 [3.3]
Interstitial Cell, Hyperplasia	3 [2.3]		1 [3.0]	
Uterus	(50)	(50)	(49)	(50)
Angiectasis	1 [2.0]	1 [2.0]		
Hemorrhage	1 [4.0]		1 [3.0]	1 [4.0]
Hyperplasia, Cystic	49 [3.4]	46 [3.2]	43 [3.2]	47 [3.1]
Hyperplasia, Histiocytic				1 [4.0]
Metaplasia, Osseous				1 [1.0]
Pigmentation		1 [3.0]		
Myometrium, Hypertrophy			1 [3.0]	
Vagina	(1)	(2)	(1)	(0)
Hyperplasia, Squamous		1 [3.0]		

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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

B6C3F1 MICE FEMALE	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Inflammation, Chronic Necrosis		1 [4.0] 1 [4.0]		
<b>HEMATOPOIETIC SYSTEM</b>				
Bone Marrow	(50)	(50)	(50)	(50)
Angiectasis			1 [3.0]	1 [2.0]
Hyperplasia, Megakaryocyte Infiltration Cellular, Histiocyte			1 [2.0]	1 [3.0]
Myelofibrosis	1 [2.0]			1 [2.0]
Myeloid Cell, Hyperplasia			1 [3.0]	1 [2.0]
Lymph Node	(13)	(11)	(15)	(14)
Ectasia	2 [2.5]	3 [3.7]	6 [3.8]	3 [3.7]
Fibrosis				1 [2.0]
Hematopoietic Cell Proliferation		1 [4.0]		
Hemorrhage	1 [3.0]	3 [3.7]	4 [2.8]	2 [3.5]
Hyperplasia, Lymphoid				1 [4.0]
Bronchial, Hyperplasia, Lymphoid		1 [2.0]		
Iliac, Ectasia	2 [2.5]		2 [2.0]	1 [4.0]
Iliac, Hemorrhage	1 [2.0]		1 [3.0]	1 [4.0]
Iliac, Hyperplasia, Lymphoid			1 [2.0]	1 [2.0]
Iliac, Infiltration Cellular, Histiocyte			1 [4.0]	
Renal, Ectasia			1 [2.0]	
Renal, Hyperplasia, Lymphoid	1 [2.0]		1 [2.0]	
Renal, Infiltration Cellular, Histiocyte			1 [4.0]	
Lymph Node, Mandibular	(50)	(48)	(46)	(50)
Atrophy	2 [2.5]	1 [2.0]		4 [2.5]
Ectasia				1 [2.0]
Hemorrhage		2 [1.0]		
Hyperplasia, Histiocytic			1 [3.0]	
Hyperplasia, Lymphoid	11 [1.9]	7 [1.9]	4 [2.5]	2 [2.0]
Lymph Node, Mesenteric	(47)	(49)	(45)	(48)
Atrophy	5 [2.2]	3 [1.7]	2 [2.0]	6 [2.2]
Ectasia			1 [3.0]	
Hematopoietic Cell Proliferation		2 [2.0]	1 [2.0]	
Hemorrhage				1 [2.0]
Hyperplasia, Lymphoid	1 [4.0]	1 [3.0]		
Hyperplasia, Plasma Cell	1 [2.0]	1 [3.0]		
Infiltration Cellular, Neutrophil	1 [1.0]	1 [2.0]		

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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

B6C3F1 MICE FEMALE	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Spleen	(49)	(50)	(48)	(48)
Angiectasis	1 [4.0]			
Hematopoietic Cell Proliferation	27 [2.9]	28 [2.9]	31 [3.2]	26 [2.8]
Hyperplasia, Lymphoid			1 [3.0]	1 [1.0]
Pigmentation	8 [1.4]	5 [2.2]	9 [1.6]	3 [2.3]
Lymphoid Follicle, Atrophy	1 [4.0]		1 [1.0]	2 [3.0]
Lymphoid Follicle, Hyperplasia	26 [1.5]	20 [1.9]	19 [1.8]	23 [1.6]
Thymus	(50)	(46)	(46)	(48)
Cyst	2 [2.0]	1 [2.0]	4 [2.0]	4 [2.0]
Hemorrhage	6 [2.3]	7 [2.0]	10 [1.6]	9 [1.4]
Hyperplasia, Lymphoid	1 [3.0]			1 [3.0]
<b>INTEGUMENTARY SYSTEM</b>				
Mammary Gland	(50)	(50)	(50)	(50)
Hyperplasia	4 [1.5]	3 [2.0]	4 [1.3]	4 [2.5]
Infiltration Cellular, Lymphocyte		1 [2.0]		
Inflammation, Chronic		1 [2.0]		
Pigmentation				1 [2.0]
Skin	(50)	(50)	(50)	(50)
Edema	1 [2.0]	3 [2.7]	2 [4.0]	1 [2.0]
Hemorrhage	1 [3.0]	1 [4.0]		
Hyperkeratosis	3 [2.7]	4 [1.3]	3 [1.0]	12 [1.4]
Hyperplasia, Melanocyte	1 [3.0]		2 [1.5]	3 [1.3]
Inflammation, Acute		2 [2.5]		
Inflammation, Chronic	1 [1.0]	4 [1.3]	7 [1.0]	18 [1.2]
Inflammation, Chronic Active	1 [3.0]			
Ulcer	1 [3.0]			
Epidermis, Hyperplasia	2 [3.0]	2 [1.0]	2 [1.5]	9 [1.2]
Epidermis, Site Of Application, Hyperplasia	7 [1.3]	11 [1.0]	31 [1.5]	33 [1.7]
Site Of Application, Erosion	1 [2.0]		1 [2.0]	1 [3.0]
Site Of Application, Hemorrhage		1 [2.0]		
Site Of Application, Hyperkeratosis	9 [1.4]	16 [1.4]	37 [1.6]	36 [1.7]
Site Of Application, Hyperplasia				1 [3.0]
Site Of Application, Hyperplasia, Melanocyte	3 [1.0]	3 [1.0]	33 [1.2]	36 [2.1]
Site Of Application, Inflammation, Acute		1 [2.0]		
Site Of Application, Inflammation,	7 [1.3]	11 [1.3]	33 [1.5]	38 [1.6]

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

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

B6C3F1 MICE FEMALE	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Chronic				
Site Of Application, Ulcer			2 [2.5]	4 [3.3]
Site Of Application, Subcutaneous Tissue, Metaplasia, Osseous				1 [2.0]
Subcutaneous Tissue, Hemorrhage			1 [2.0]	
Subcutaneous Tissue, Necrosis			1 [2.0]	
<b>MUSCULOSKELETAL SYSTEM</b>				
Bone	(49)	(50)	(50)	(50)
Cranium, Fibrosis	2 [1.5]	1 [3.0]		1 [3.0]
Cranium, Osteopetrosis		1 [1.0]	1 [2.0]	2 [1.0]
Femur, Fibro-Osseous Lesion	12 [1.9]	7 [1.3]	12 [1.9]	10 [1.2]
Femur, Hyperostosis		5 [1.8]	1 [2.0]	6 [1.7]
Vertebra, Arthrosis				1 [3.0]
Skeletal Muscle	(3)	(2)	(2)	(3)
Degeneration	1 [1.0]			
Inflammation, Chronic		1 [1.0]		
<b>NERVOUS SYSTEM</b>				
Brain	(50)	(50)	(50)	(50)
Compression		3 [3.3]	2 [3.5]	3 [2.7]
Gliosis				1 [1.0]
Hemorrhage	4 [1.3]	2 [1.5]	2 [1.0]	2 [1.0]
Hyperplasia, Lymphoid	3 [1.7]	2 [1.0]	2 [1.0]	3 [1.3]
Infiltration Cellular, Lipocyte			1 [2.0]	
Inflammation, Acute			1 [1.0]	
Inflammation, Chronic				1 [2.0]
Metaplasia, Osseous				1 [2.0]
Necrosis, Focal			1 [2.0]	2 [2.0]
Meninges, Inflammation, Chronic	1 [2.0]			
Peripheral Nerve	(1)	(1)	(0)	(0)
Degeneration	1 [2.0]			
Inflammation, Chronic	1 [2.0]			
<b>RESPIRATORY SYSTEM</b>				

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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

B6C3F1 MICE FEMALE	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lung	(50)	(50)	(49)	(50)
Congestion	1 [2.0]	1 [2.0]	1 [2.0]	2 [2.0]
Fibrosis				1 [1.0]
Hemorrhage	2 [2.0]	6 [1.5]	3 [1.0]	1 [1.0]
Hyperplasia, Lymphoid				2 [2.0]
Infiltration Cellular, Histiocyte	5 [2.0]	3 [2.3]	3 [2.0]	4 [2.0]
Metaplasia, Osseous		1 [2.0]		
Mineralization	1 [1.0]			
Thrombosis	1 [2.0]			
Alveolar Epithelium, Hyperplasia	5 [1.6]	8 [1.8]	3 [2.3]	6 [1.8]
Nose	(50)	(50)	(50)	(50)
Foreign Body			1 [1.0]	
Hemorrhage		1 [2.0]		
Inflammation, Chronic	1 [3.0]	2 [1.5]	2 [2.0]	
Glands, Cyst		1 [2.0]		
Pleura	(1)	(0)	(0)	(1)
<b>SPECIAL SENSES SYSTEM</b>				
Eye	(47)	(50)	(48)	(47)
Developmental Malformation				1 [2.0]
Inflammation, Chronic		2 [1.0]	1 [2.0]	1 [2.0]
Bilateral, Hemorrhage		1 [4.0]		
Bilateral, Retinal Detachment		1 [4.0]		
Bilateral, Optic Nerve, Necrosis		1 [4.0]		
Cornea, Hyperplasia		2 [1.0]	3 [1.3]	1 [2.0]
Cornea, Inflammation, Chronic			1 [2.0]	
Retina, Degeneration		2 [1.5]		
Harderian Gland	(50)	(50)	(49)	(49)
Cyst				1 [2.0]
Fibrosis			1 [3.0]	
Hyperplasia	1 [3.0]			
Hyperplasia, Focal	2 [2.0]	5 [2.4]	5 [2.8]	
Inflammation, Chronic	8 [2.0]	1 [2.0]	3 [2.0]	3 [2.0]
Bilateral, Hemorrhage		1 [4.0]		
<b>URINARY SYSTEM</b>				
Kidney	(49)	(50)	(48)	(47)

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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

B6C3F1 MICE FEMALE	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Casts Protein			1 [1.0]	
Cyst	2 [2.0]	1 [2.0]		3 [2.0]
Hemorrhage				1 [2.0]
Hyperplasia, Lymphoid	15 [2.1]	14 [2.0]	16 [2.1]	11 [2.1]
Infarct	1 [1.0]	7 [1.7]	6 [2.2]	3 [2.0]
Infiltration Cellular, Lipocyte	1 [2.0]			
Metaplasia, Osseous	2 [2.0]	3 [1.3]	3 [1.7]	2 [3.0]
Mineralization	8 [1.1]	1 [1.0]	2 [1.0]	2 [1.0]
Nephropathy	31 [1.4]	37 [1.2]	36 [1.5]	30 [1.2]
Papilla, Necrosis			1 [1.0]	
Pelvis, Dilatation	1 [3.0]			
Renal Tubule, Accumulation, Hyaline Droplet	1 [3.0]	3 [3.3]	2 [2.0]	
Renal Tubule, Dilatation, Focal			1 [1.0]	
Renal Tubule, Necrosis		1 [1.0]		
Urinary Bladder	(49)	(50)	(48)	(48)
Hyperplasia, Lymphoid	11 [2.1]	6 [2.0]	10 [2.0]	8 [2.3]
Inflammation, Chronic			1 [2.0]	
Transitional Epithelium, Hyperplasia			1 [1.0]	

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