

TDMs No. 20114 - 06

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

Date Report Requested: 10/04/2007

Test Type: CHRONIC

Sodium dichromate dihydrate (VI)

Time Report Requested: 10:37:54

Route: DOSED WATER

CAS Number: 7789-12-0

First Dose M/F: 09/04/02 / 09/04/02

Species/Strain: MICE/B6C3F1

Lab: SRI

F2_M3

C Number: C20114
Lock Date: 10/04/2005
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
TDMSE Version: 1.8.0

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Lab: SRI

B6C3F1 MICE MALE	0 MG/L	14.3 MG/L	28.6 MG/L	85.7 MG/L	257.4 MG/L
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Disposition Summary

Animals Initially in Study	50	50	50	50	50
Early Deaths					
Moribund Sacrifice	7	5	5	4	3
Natural Death	10	10	10	8	15
Survivors					
Natural Death	1				1
Terminal Sacrifice	32	35	35	38	31
Animals Examined Microscopically	50	50	50	50	50

ALIMENTARY SYSTEM

Esophagus	(50)	(50)	(50)	(50)	(50)
Gallbladder	(47)	(45)	(44)	(44)	(39)
Intestine Large, Cecum	(42)	(44)	(47)	(46)	(39)
Angiectasis	1 [4.0]				
Fibrosis			1 [2.0]		
Lymphoid Tissue, Hyperplasia			2 [2.0]		
Intestine Large, Colon	(44)	(45)	(47)	(46)	(40)
Fibrosis			1 [3.0]		
Lymphangiectasis	1 [3.0]				
Lymphoid Tissue, Hyperplasia	1 [2.0]		2 [2.5]		2 [2.0]
Intestine Large, Rectum	(42)	(47)	(47)	(46)	(42)
Inflammation, Suppurative		1 [3.0]			
Intestine Small, Duodenum	(39)	(43)	(45)	(48)	(40)
Erosion				1 [3.0]	
Infiltration Cellular, Histiocyte		2 [1.0]	4 [1.0]	37 [1.2]	35 [1.7]
Infiltration Cellular, Mixed Cell		1 [2.0]			
Epithelium, Hyperplasia, Focal				1 [3.0]	2 [3.5]
Epithelium, Hyperplasia, Diffuse		11 [2.0]	18 [1.6]	42 [2.1]	32 [2.1]
Intestine Small, Ileum	(40)	(42)	(44)	(45)	(38)
Cyst			1 [3.0]		
Infiltration Cellular, Polymorphonuclear			1 [2.0]		
Inflammation, Chronic Active		1 [2.0]			
Epithelium, Hyperplasia, Diffuse				1 [3.0]	
Epithelium, Inflammation, Acute				1 [2.0]	
Goblet Cell, Hyperplasia			1 [2.0]		

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

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B6C3F1 MICE MALE	0 MG/L	14.3 MG/L	28.6 MG/L	85.7 MG/L	257.4 MG/L
Lymphoid Tissue, Hyperplasia			1 [3.0]	2 [2.5]	1 [2.0]
Intestine Small, Jejunum	(41)	(42)	(42)	(46)	(38)
Fibrosis			1 [1.0]		
Infiltration Cellular, Histiocyte				1 [1.0]	
Inflammation, Suppurative		1 [2.0]			
Inflammation, Chronic Active			1 [3.0]		
Epithelium, Hyperplasia, Focal		1 [2.0]			
Epithelium, Hyperplasia, Diffuse				2 [1.5]	1 [2.0]
Lymphoid Tissue, Hyperplasia	2 [2.0]	7 [2.3]	5 [2.4]	8 [2.3]	3 [2.0]
Liver	(50)	(50)	(50)	(50)	(50)
Angiectasis	2 [3.0]				
Basophilic Focus	3		4		1
Basophilic Focus, Multiple	1				1
Clear Cell Focus	8	9	13	11	6
Clear Cell Focus, Multiple	12	8	6	5	1
Congestion			1 [3.0]		
Cyst			1 [3.0]	1 [3.0]	2 [3.0]
Eosinophilic Focus	17	16	13	16	10
Eosinophilic Focus, Multiple	10	10	6	5	2
Fibrosis				2 [2.5]	
Hematopoietic Cell Proliferation		1 [1.0]			
Hemorrhage		1 [3.0]	1 [2.0]	1 [4.0]	
Hepatodiaphragmatic Nodule	1 [2.0]		2 [1.5]		1 [2.0]
Infarct					1 [3.0]
Infiltration Cellular, Histiocyte	1 [1.0]	3 [1.0]	4 [1.0]	4 [1.0]	3 [1.0]
Infiltration Cellular, Lymphocyte	1 [2.0]				
Inflammation, Chronic	1 [1.0]	1 [1.0]	4 [1.3]	2 [1.5]	1 [2.0]
Mixed Cell Focus	3	1		1	3
Mixed Cell Focus, Multiple	1		1		
Necrosis, Focal	1 [3.0]	3 [3.0]	4 [3.0]		5 [2.0]
Bile Duct, Hyperplasia					1 [2.0]
Centrilobular, Necrosis	2 [3.0]				1 [3.0]
Hepatocyte, Vacuolization Cytoplasmic	5 [2.2]	5 [2.2]	1 [1.0]	1 [1.0]	3 [3.0]
Mesentery	(16)	(10)	(9)	(16)	(5)
Fibrosis			2 [3.5]	1 [2.0]	
Inflammation, Suppurative					1 [3.0]
Inflammation, Granulomatous				1 [3.0]	
Fat, Necrosis	11 [2.0]	7 [2.0]	7 [2.4]	12 [1.9]	5 [2.4]
Oral Mucosa	(50)	(50)	(50)	(50)	(50)
Pharyngeal, Hyperplasia, Squamous,			1 [1.0]		

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Lab: SRI

B6C3F1 MICE MALE	0 MG/L	14.3 MG/L	28.6 MG/L	85.7 MG/L	257.4 MG/L
Focal					
Pancreas	(49)	(49)	(50)	(49)	(48)
Atrophy	1 [1.0]		1 [1.0]	1 [2.0]	1 [3.0]
Cyst					1 [1.0]
Fibrosis			1 [2.0]		
Acinus, Cytoplasmic Alteration		1 [3.0]	1 [3.0]	9 [2.1]	8 [2.6]
Salivary Glands	(49)	(50)	(49)	(50)	(50)
Atrophy			2 [2.5]		
Parotid Gland, Atrophy		1 [2.0]			
Submandibular Gland, Atrophy		1 [1.0]			
Stomach, Forestomach	(50)	(50)	(48)	(50)	(48)
Angiectasis				1 [2.0]	
Cyst		1 [3.0]			
Fibrosis			1 [3.0]		
Ulcer				3 [2.0]	
Epithelium, Hyperplasia	4 [1.8]	3 [2.7]		3 [2.3]	
Stomach, Glandular	(50)	(48)	(48)	(50)	(47)
Atrophy, Focal					2 [2.5]
Cyst	1 [1.0]				
Erosion	1 [1.0]	1 [1.0]			1 [1.0]
Erosion, Focal					1 [1.0]
Hyperplasia, Focal				1 [1.0]	1 [2.0]
Infiltration Cellular, Polymorphonuclear		1 [2.0]			
Ulcer		1 [2.0]			1 [2.0]
Tongue	(50)	(50)	(50)	(50)	(50)
Cyst		1 [3.0]	1 [3.0]	1 [2.0]	
Hyperplasia, Squamous	1 [2.0]	1 [2.0]	1 [2.0]	1 [2.0]	
Inflammation, Chronic		5 [1.0]	4 [1.0]	4 [1.0]	2 [1.0]
Mineralization	1 [2.0]	2 [2.0]	1 [2.0]	2 [1.0]	
Ulcer	1 [1.0]	2 [1.0]			
Artery, Inflammation, Chronic		1 [2.0]	1 [2.0]		
Tooth	(1)	(3)	(0)	(2)	(0)
Malformation	1 [3.0]	2 [2.5]		2 [2.0]	

CARDIOVASCULAR SYSTEM

Blood Vessel	(2)	(1)	(1)	(1)	(1)
Heart	(50)	(50)	(50)	(50)	(50)
Cardiomyopathy	45 [1.5]	46 [1.6]	43 [1.5]	46 [1.6]	36 [1.3]

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Inflammation, Suppurative	1 [1.0]	1 [2.0]			
Mineralization	1 [1.0]				1 [1.0]
Thrombosis		1 [2.0]	1 [2.0]		3 [2.3]
ENDOCRINE SYSTEM					
Adrenal Cortex	(49)	(49)	(50)	(50)	(50)
Accessory Adrenal Cortical Nodule	1 [1.0]				
Angiectasis			1 [1.0]		1 [2.0]
Degeneration, Fatty		1 [1.0]			
Hyperplasia, Focal			1 [3.0]	2 [1.0]	2 [1.0]
Hypertrophy, Focal	7 [1.1]	12 [1.5]	11 [1.4]	13 [1.4]	9 [1.3]
Capsule, Hemorrhage		1 [2.0]			
Capsule, Hyperplasia	5 [1.8]	13 [1.6]	11 [1.5]	12 [1.5]	7 [1.4]
Adrenal Medulla	(49)	(48)	(50)	(50)	(50)
Hyperplasia			1 [1.0]		
Islets, Pancreatic	(49)	(49)	(50)	(50)	(49)
Hyperplasia	39 [2.1]	40 [2.0]	34 [2.2]	43 [2.0]	20 [1.6]
Parathyroid Gland	(46)	(47)	(45)	(49)	(47)
Cyst		1 [2.0]			1 [3.0]
Pituitary Gland	(49)	(49)	(48)	(50)	(47)
Pars Distalis, Cyst	2 [2.0]	1 [3.0]	2 [1.0]	4 [2.5]	1 [1.0]
Pars Distalis, Hyperplasia, Focal			1 [2.0]	1 [2.0]	2 [1.0]
Thyroid Gland	(50)	(50)	(50)	(50)	(50)
Follicle, Cyst	1 [3.0]	2 [3.0]	1 [2.0]	3 [1.7]	
Follicle, Degeneration, Focal	3 [1.7]	5 [1.0]	4 [1.5]	5 [1.0]	1 [1.0]
Follicular Cell, Hyperplasia, Focal	1 [2.0]	1 [1.0]	1 [1.0]		2 [1.0]
GENERAL BODY SYSTEM					
None					
GENITAL SYSTEM					
Epididymis	(50)	(50)	(50)	(50)	(50)
Degeneration	1 [2.0]				
Granuloma Sperm			1 [2.0]	2 [2.5]	1 [2.0]
Infiltration Cellular, Lymphocyte			1 [2.0]	1 [2.0]	1 [2.0]

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B6C3F1 MICE MALE	0 MG/L	14.3 MG/L	28.6 MG/L	85.7 MG/L	257.4 MG/L
Inflammation, Chronic Preputial Gland Atrophy	1 [2.0] (50)	(50)	(50)	(50)	(50)
Cyst	2 [2.0]	1 [3.0]	3 [2.3]	4 [2.3]	4 [2.8]
Infiltration Cellular, Lymphocyte Inflammation, Chronic Prostate	(50)	1 [2.0] (49)	(50)	(50)	(50)
Infiltration Cellular, Lymphocyte Inflammation, Suppurative Inflammation, Chronic	1 [3.0] 2 [2.5]	2 [1.0] 1 [2.0]	1 [1.0]	1 [2.0]	
Seminal Vesicle Fibrosis	(50)	(50)	(50)	(50)	(50)
Inflammation, Chronic Epithelium, Hyperplasia	2 [2.0]		1 [3.0] 1 [2.0]	1 [2.0]	
Testes Germinal Epithelium, Atrophy Interstitial Cell, Hyperplasia	(50) 2 [2.5] 1 [2.0]	(50) 3 [2.0]	(50) 3 [2.3]	(50) 2 [2.0]	(50) 1 [2.0]
HEMATOPOIETIC SYSTEM					
Bone Marrow Angiectasis Hyperplasia Pigmentation	(49)	(50)	(50)	(50)	(50)
Lymph Node	47 [1.0] (8)	5 [2.8] (4)	5 [2.6] (6)	1 [2.0] (6)	3 [2.7] (5)
Bronchial, Hyperplasia, Lymphoid Iliac, Hemorrhage Iliac, Hyperplasia, Lymphoid Iliac, Hyperplasia, Plasma Cell Iliac, Pigmentation	1 [2.0] 1 [2.0]	1 [2.0]	1 [2.0]	2 [2.5]	1 [3.0] 1 [2.0]
Inguinal, Hyperplasia, Lymphoid Inguinal, Pigmentation Mediastinal, Hemorrhage Mediastinal, Hyperplasia, Histiocytic Mediastinal, Hyperplasia, Lymphoid Popliteal, Hyperplasia, Lymphoid	2 [2.0]	2 [2.0]	1 [2.0]	1 [1.0]	3 [1.0] 1 [2.0]
Renal, Angiectasis Renal, Hyperplasia, Lymphoid Renal, Hyperplasia, Plasma Cell	1 [2.0] 1 [3.0] 2 [2.5]		1 [2.0]	1 [3.0]	1 [4.0]

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B6C3F1 MICE MALE	0 MG/L	14.3 MG/L	28.6 MG/L	85.7 MG/L	257.4 MG/L
Lymph Node, Mandibular	(47)	(49)	(49)	(48)	(46)
Hyperplasia, Lymphoid	6 [2.7]	6 [2.8]	2 [2.5]	4 [2.5]	2 [2.0]
Pigmentation					2 [2.0]
Lymph Node, Mesenteric	(47)	(47)	(49)	(49)	(46)
Ectasia	3 [2.3]				
Fibrosis	1 [4.0]				
Hemorrhage		1 [2.0]	2 [2.0]		
Hyperplasia, Lymphoid		4 [2.0]	2 [2.5]	3 [3.0]	
Infiltration Cellular, Histiocyte	14 [1.2]	38 [1.1]	31 [1.2]	32 [1.5]	42 [2.5]
Inflammation, Granulomatous	2 [3.0]		1 [3.0]		
Necrosis, Lymphoid			1 [2.0]		
Lymph Node, Pancreatic	(5)	(13)	(10)	(8)	(16)
Hyperplasia, Lymphoid				1 [2.0]	1 [1.0]
Infiltration Cellular, Histiocyte		2 [1.0]	2 [1.0]	5 [1.4]	12 [2.3]
Spleen	(49)	(48)	(49)	(49)	(46)
Hematopoietic Cell Proliferation	17 [2.7]	14 [2.5]	13 [2.8]	19 [2.1]	25 [2.5]
Hyperplasia, Histiocytic				1 [1.0]	
Necrosis, Lymphoid				1 [2.0]	
Lymphoid Follicle, Atrophy	1 [3.0]	2 [2.5]	1 [3.0]		3 [3.0]
Lymphoid Follicle, Hyperplasia	1 [3.0]	6 [2.2]	3 [2.0]	5 [1.6]	4 [2.0]
Thymus	(49)	(50)	(46)	(49)	(40)
Atrophy	2 [2.5]	7 [3.0]	2 [2.5]	2 [3.0]	1 [3.0]
Hyperplasia, Lymphoid	3 [2.0]	3 [2.7]	1 [2.0]	2 [1.5]	
Necrosis, Lymphoid			1 [3.0]		
INTEGUMENTARY SYSTEM					
Skin	(50)	(50)	(50)	(50)	(50)
Congestion				1 [2.0]	
Cyst				1 [3.0]	
Cyst Epithelial Inclusion		2		1 [3.0]	1 [3.0]
Edema			1 [3.0]		1 [2.0]
Hyperkeratosis					1 [3.0]
Inflammation, Granulomatous				1 [2.0]	1 [3.0]
Inflammation, Chronic	2 [2.5]			2 [2.5]	1 [3.0]
Ulcer	1 [3.0]			3 [2.3]	1 [3.0]
Dermis, Cyst	1 [3.0]				
Epidermis, Hyperplasia	1 [2.0]			1 [2.0]	1 [3.0]

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MUSCULOSKELETAL SYSTEM					
Bone	(50)	(50)	(50)	(50)	(50)
Hyperostosis	1 [2.0]				
Cranium, Osteopetrosis	1 [2.0]	2 [2.0]	1 [2.0]	1 [2.0]	
Skeletal Muscle	(4)	(2)	(4)	(1)	(0)
Fibrosis			2 [2.5]		
Hemorrhage	1 [2.0]				
NERVOUS SYSTEM					
Brain	(50)	(50)	(50)	(50)	(50)
Cyst Epithelial Inclusion			1		
RESPIRATORY SYSTEM					
Lung	(50)	(50)	(50)	(50)	(50)
Congestion	1 [2.0]				
Infiltration Cellular, Histiocyte	1 [1.0]	6 [1.8]	3 [2.3]	1 [2.0]	
Infiltration Cellular, Lymphocyte			1 [2.0]	1 [1.0]	
Inflammation, Granulomatous	1 [2.0]				
Inflammation, Chronic		1 [1.0]			
Metaplasia, Osseous					2 [1.0]
Alveolar Epithelium, Hyperplasia	4 [1.3]	3 [1.3]	2 [1.0]	5 [1.4]	3 [1.3]
Nose	(50)	(50)	(50)	(50)	(50)
Glands, Inflammation				1 [1.0]	
SPECIAL SENSES SYSTEM					
Eye	(48)	(49)	(49)	(50)	(47)
Atrophy	1 [4.0]	1 [4.0]			
Harderian Gland	(50)	(50)	(49)	(50)	(50)
Hyperplasia, Focal		1 [2.0]			
URINARY SYSTEM					
Kidney	(50)	(50)	(50)	(50)	(49)
Atrophy					1 [4.0]

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Cyst	3 [1.7]	6 [2.7]	4 [2.0]	3 [2.0]	2 [1.0]
Fibrosis			1 [2.0]		
Hydronephrosis		1 [3.0]	1 [4.0]	1 [2.0]	1 [3.0]
Infarct	5 [1.4]	1 [1.0]	2 [1.0]	6 [1.2]	4 [1.5]
Infiltration Cellular, Lymphocyte	1 [1.0]	1 [2.0]		1 [1.0]	4 [2.3]
Inflammation, Suppurative		1 [2.0]		1 [2.0]	
Metaplasia, Osseous	1 [1.0]	1 [1.0]		1 [1.0]	
Mineralization			1 [1.0]		
Nephropathy	39 [1.4]	43 [1.7]	45 [1.5]	45 [1.5]	41 [1.6]
Thrombosis	1 [1.0]				
Papilla, Necrosis		1 [3.0]			
Renal Tubule, Atrophy					1 [4.0]
Renal Tubule, Mineralization	1 [1.0]	1 [2.0]			
Renal Tubule, Necrosis	1 [1.0]				
Renal Tubule, Pigmentation	7 [2.4]	3 [2.7]	3 [2.3]		
Urethra	(1)	(1)	(0)	(1)	(0)
Angiectasis	1 [4.0]			1 [3.0]	
Urinary Bladder	(49)	(50)	(50)	(49)	(46)
Fibrosis			1 [2.0]		
Infiltration Cellular, Lymphocyte		1 [1.0]	1 [1.0]		1 [1.0]

*** END OF MALE ***

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B6C3F1 MICE FEMALE	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Disposition Summary					
Animals Initially in Study	50	50	50	50	50
Early Deaths					
Moribund Sacrifice	5		2	2	3
Natural Death	8	11	3	6	5
Survivors					
Natural Death	2	1	1	2	
Terminal Sacrifice	35	38	44	40	42
Animals Examined Microscopically	50	50	50	50	50
ALIMENTARY SYSTEM					
Gallbladder	(44)	(47)	(48)	(45)	(50)
Intestine Large, Colon	(43)	(43)	(48)	(45)	(48)
Edema		1 [4.0]			
Lymphoid Tissue, Hyperplasia	2 [2.0]	3 [2.3]	1 [2.0]	1 [2.0]	2 [2.0]
Intestine Small, Duodenum	(42)	(42)	(48)	(42)	(48)
Cyst				1 [3.0]	
Dilatation					1 [3.0]
Hyperplasia, Lymphoid	1 [2.0]				
Infiltration Cellular, Histiocyte			4 [1.3]	33 [1.2]	40 [2.0]
Epithelium, Hyperplasia, Focal			1 [2.0]	2 [3.0]	
Epithelium, Hyperplasia, Diffuse		16 [1.6]	35 [1.7]	31 [1.6]	42 [2.2]
Lymphoid Tissue, Hyperplasia			1 [1.0]	1 [1.0]	2 [1.5]
Intestine Small, Ileum	(42)	(43)	(47)	(44)	(47)
Inflammation, Suppurative		1 [2.0]			
Intestine Small, Jejunum	(41)	(42)	(48)	(44)	(48)
Fibrosis			1 [2.0]		
Infiltration Cellular, Histiocyte				2 [1.0]	8 [1.6]
Inflammation, Suppurative		4 [2.5]		1 [2.0]	1 [2.0]
Epithelium, Hyperplasia, Focal			1 [2.0]	1 [2.0]	
Epithelium, Hyperplasia, Diffuse		2 [2.0]	1 [2.0]		8 [1.9]
Lymphoid Tissue, Hyperplasia	6 [2.2]	6 [2.2]	6 [2.7]	4 [1.5]	3 [2.7]
Liver	(49)	(50)	(50)	(50)	(50)
Basophilic Focus	3	4	2		1
Basophilic Focus, Multiple			2		
Clear Cell Focus	3	5		2	1

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Test Type: CHRONIC

Sodium dichromate dihydrate (VI)

Time Report Requested: 10:37:54

Route: DOSED WATER

CAS Number: 7789-12-0

First Dose M/F: 09/04/02 / 09/04/02

Species/Strain: MICE/B6C3F1

Lab: SRI

B6C3F1 MICE FEMALE	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Cyst	1 [3.0]	1 [3.0]			
Cyst, Multiple	1 [3.0]				
Eosinophilic Focus	11	13	5	4	4
Eosinophilic Focus, Multiple	3	5	3	1	
Hematopoietic Cell Proliferation	3 [1.0]		1 [1.0]		1 [1.0]
Hemorrhage	1 [2.0]	2 [2.5]			
Infiltration Cellular, Histiocyte	2 [1.0]	15 [1.1]	23 [1.0]	32 [1.0]	45 [1.9]
Infiltration Cellular, Lymphocyte	2 [1.0]		1 [2.0]		2 [1.5]
Inflammation, Chronic	16 [1.1]	21 [1.1]	22 [1.1]	27 [1.1]	24 [1.0]
Mixed Cell Focus	2		4	1	1
Necrosis, Focal	1 [1.0]	1 [2.0]		2 [1.0]	1 [1.0]
Tension Lipidosis			1 [1.0]	1 [2.0]	
Thrombosis					1 [1.0]
Hepatocyte, Vacuolization Cytoplasmic	4 [3.0]	5 [2.6]	5 [1.6]		2 [3.0]
Mesentery	(20)	(23)	(23)	(23)	(9)
Fibrosis				1 [2.0]	
Hemorrhage					1 [3.0]
Inflammation, Granulomatous		1 [2.0]			
Inflammation, Chronic				1 [2.0]	1 [2.0]
Fat, Hemorrhage				1 [2.0]	
Fat, Necrosis	16 [2.1]	20 [2.3]	20 [2.1]	21 [1.9]	6 [1.5]
Pancreas	(48)	(50)	(49)	(50)	(50)
Atrophy	1 [2.0]			1 [2.0]	2 [2.0]
Cyst		1 [3.0]		1 [4.0]	
Necrosis	1 [1.0]				
Acinus, Atrophy					2 [2.5]
Acinus, Cytoplasmic Alteration		6 [2.5]	6 [2.0]	14 [2.4]	32 [2.6]
Acinus, Hyperplasia, Focal				1 [1.0]	
Salivary Glands	(50)	(50)	(50)	(48)	(49)
Atrophy			1 [2.0]		
Fibrosis				1 [2.0]	
Infiltration Cellular, Lymphocyte	1 [1.0]				1 [2.0]
Inflammation, Chronic	2 [2.0]				
Submandibular Gland, Atrophy	1 [2.0]				
Stomach, Forestomach	(49)	(49)	(50)	(48)	(50)
Cyst			2 [2.0]		
Diverticulum				1 [1.0]	
Edema	1 [2.0]		1 [2.0]		
Erosion		1 [1.0]			
Infiltration Cellular, Lymphocyte		1 [1.0]			

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Test Type: CHRONIC

Sodium dichromate dihydrate (VI)

Time Report Requested: 10:37:54

Route: DOSED WATER

CAS Number: 7789-12-0

First Dose M/F: 09/04/02 / 09/04/02

Species/Strain: MICE/B6C3F1

Lab: SRI

B6C3F1 MICE FEMALE	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Inflammation, Chronic					1 [2.0]
Mineralization					2 [1.0]
Ulcer	3 [1.3]	1 [1.0]	1 [1.0]		2 [1.5]
Epithelium, Hyperplasia	2 [2.0]	2 [1.5]		2 [2.0]	3 [2.0]
Stomach, Glandular	(49)	(48)	(50)	(48)	(50)
Cyst	1 [3.0]				1 [2.0]
Degeneration, Cystic			1 [2.0]		
Erosion	2 [1.5]			1 [1.0]	
Fibrosis		1 [2.0]			
Infiltration Cellular, Mixed Cell					1 [1.0]
Inflammation, Suppurative		1 [2.0]			
Ulcer		1 [2.0]			
Glands, Hyperplasia	1 [1.0]				
Tongue	(50)	(50)	(49)	(48)	(50)
Inflammation, Chronic	7 [1.0]	6 [1.0]	3 [1.0]	5 [1.0]	5 [1.0]
Mineralization	1 [1.0]			1 [1.0]	2 [2.0]
Artery, Inflammation, Chronic	1 [2.0]		3 [3.0]		
CARDIOVASCULAR SYSTEM					
Heart	(50)	(50)	(50)	(50)	(50)
Cardiomyopathy	40 [1.3]	34 [1.4]	43 [1.4]	42 [1.3]	43 [1.3]
Mineralization	1 [2.0]				
Artery, Inflammation, Chronic	1 [2.0]				
ENDOCRINE SYSTEM					
Adrenal Cortex	(49)	(50)	(50)	(50)	(50)
Accessory Adrenal Cortical Nodule	3 [1.3]		1 [2.0]	1 [1.0]	3 [1.3]
Hematopoietic Cell Proliferation	1 [1.0]				1 [2.0]
Hyperplasia, Focal			1 [1.0]	1 [1.0]	1 [1.0]
Hyperplasia, Diffuse		1 [2.0]			1 [2.0]
Hypertrophy, Focal		2 [1.5]	1 [1.0]	1 [1.0]	
Vacuolization Cytoplasmic				1 [2.0]	1 [2.0]
Capsule, Hyperplasia	10 [2.2]	4 [1.8]	6 [1.7]	9 [1.8]	14 [2.0]
Adrenal Medulla	(49)	(50)	(50)	(50)	(50)
Hyperplasia			1 [1.0]	1 [3.0]	1 [2.0]
Islets, Pancreatic	(49)	(50)	(50)	(50)	(50)
Hyperplasia	10 [1.5]	5 [1.2]	3 [1.3]	5 [1.2]	7 [1.3]

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Test Type: CHRONIC

Sodium dichromate dihydrate (VI)

Time Report Requested: 10:37:54

Route: DOSED WATER

CAS Number: 7789-12-0

First Dose M/F: 09/04/02 / 09/04/02

Species/Strain: MICE/B6C3F1

Lab: SRI

B6C3F1 MICE FEMALE	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Parathyroid Gland	(48)	(49)	(50)	(44)	(49)
Cyst		1 [3.0]			1 [3.0]
Pituitary Gland	(48)	(48)	(48)	(48)	(49)
Pars Distalis, Angiectasis		1 [3.0]			
Pars Distalis, Cyst				1 [1.0]	
Pars Distalis, Hyperplasia, Focal	5 [1.2]	3 [1.0]	3 [1.3]	2 [1.0]	1 [1.0]
Pars Intermedia, Fibrosis	1 [2.0]				
Rathke's Cleft, Cyst		1 [3.0]		1 [3.0]	
Thyroid Gland	(50)	(50)	(50)	(49)	(50)
Infiltration Cellular, Lymphocyte	1 [1.0]		1 [1.0]		
Infiltration Cellular, Mixed Cell	1 [1.0]	2 [1.0]			
Inflammation, Suppurative, Focal				1 [1.0]	
Inflammation, Chronic				1 [1.0]	
Follicle, Cyst	2 [1.5]	1 [3.0]	3 [1.7]	2 [2.5]	2 [3.0]
Follicle, Degeneration, Focal	12 [1.2]	11 [1.1]	14 [1.4]	10 [1.4]	11 [1.5]
Follicular Cell, Hyperplasia					1 [1.0]
Follicular Cell, Hyperplasia, Focal		1 [1.0]	1 [1.0]		2 [1.5]
Follicular Cell, Hypertrophy					1 [2.0]
GENERAL BODY SYSTEM					
Tissue NOS	(1)	(0)	(0)	(0)	(0)
GENITAL SYSTEM					
Clitoral Gland	(50)	(50)	(50)	(50)	(48)
Cyst	1 [2.0]		1 [2.0]	1 [2.0]	
Inflammation, Chronic				1 [2.0]	
Ovary	(50)	(49)	(47)	(48)	(49)
Angiectasis		1 [4.0]	1 [2.0]	1 [1.0]	2 [2.0]
Atrophy	1 [2.0]				2 [2.5]
Cyst	10 [2.9]	13 [2.5]	12 [3.0]	11 [2.7]	10 [3.0]
Hematocyst				1 [3.0]	
Hemorrhage	1 [2.0]	9 [1.4]	2 [2.0]	4 [1.8]	3 [3.0]
Hyperplasia					1 [2.0]
Infiltration Cellular, Lymphocyte	1 [2.0]				
Mineralization					1 [2.0]
Thrombosis					1 [2.0]
Uterus	(50)	(50)	(50)	(50)	(50)

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Test Type: CHRONIC

Sodium dichromate dihydrate (VI)

Time Report Requested: 10:37:54

Route: DOSED WATER

CAS Number: 7789-12-0

First Dose M/F: 09/04/02 / 09/04/02

Species/Strain: MICE/B6C3F1

Lab: SRI

B6C3F1 MICE FEMALE	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Angiectasis			1 [3.0]	1 [3.0]	
Hyperplasia, Cystic	43 [2.4]	45 [2.3]	42 [2.0]	43 [2.1]	45 [2.2]
Inflammation, Suppurative	1 [2.0]				
Serosa, Cyst	1 [2.0]				
Vagina	(1)	(0)	(0)	(0)	(0)
HEMATOPOIETIC SYSTEM					
Bone Marrow	(50)	(50)	(50)	(50)	(50)
Fibrosis					1 [2.0]
Hemorrhage				1 [2.0]	
Hyperplasia	5 [2.6]	3 [1.3]	5 [2.8]	1 [3.0]	1 [3.0]
Hyperplasia, Reticulum Cell				1 [2.0]	
Pigmentation	47 [1.1]	47 [1.0]	49 [1.1]	49 [1.2]	50 [1.7]
Lymph Node	(10)	(7)	(6)	(5)	(6)
Bronchial, Hyperplasia, Lymphoid	1 [2.0]	1 [4.0]	1 [2.0]		
Iliac, Hematopoietic Cell Proliferation	1 [2.0]				
Iliac, Hyperplasia, Lymphoid	1 [2.0]		2 [2.5]	1 [2.0]	1 [3.0]
Iliac, Pigmentation	1 [1.0]				
Mediastinal, Hyperplasia, Lymphoid	4 [2.5]	1 [3.0]	2 [3.0]		1 [3.0]
Renal, Hyperplasia, Lymphoid			2 [2.5]		
Lymph Node, Mandibular	(50)	(48)	(49)	(48)	(48)
Ectasia	1 [2.0]				
Hyperplasia, Lymphoid	4 [2.0]	2 [3.5]	4 [2.0]	6 [2.5]	3 [2.3]
Lymph Node, Mesenteric	(46)	(48)	(46)	(50)	(50)
Ectasia	6 [2.3]	1 [3.0]	2 [3.0]	2 [2.0]	2 [3.0]
Hematopoietic Cell Proliferation	1 [2.0]		1 [2.0]		
Hemorrhage			1 [4.0]		1 [3.0]
Hyperplasia, Lymphoid	3 [2.3]	4 [2.3]	6 [2.0]	4 [2.3]	2 [2.5]
Infiltration Cellular, Histiocyte	3 [1.0]	29 [1.3]	26 [1.1]	40 [1.9]	42 [2.7]
Mineralization				1 [2.0]	
Lymph Node, Pancreatic	(14)	(12)	(15)	(14)	(13)
Hyperplasia, Lymphoid	1 [3.0]	1 [3.0]	2 [2.5]		1 [3.0]
Infiltration Cellular, Histiocyte		1 [1.0]	2 [1.5]	7 [1.9]	8 [2.5]
Spleen	(48)	(48)	(50)	(50)	(50)
Hematopoietic Cell Proliferation	15 [1.8]	24 [2.3]	19 [2.0]	15 [2.4]	15 [2.3]
Necrosis				1 [2.0]	
Lymphoid Follicle, Atrophy		1 [3.0]			
Lymphoid Follicle, Hyperplasia	17 [2.2]	19 [2.2]	28 [1.9]	22 [2.2]	18 [2.2]

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Test Type: CHRONIC

Sodium dichromate dihydrate (VI)

Time Report Requested: 10:37:54

Route: DOSED WATER

CAS Number: 7789-12-0

First Dose M/F: 09/04/02 / 09/04/02

Species/Strain: MICE/B6C3F1

Lab: SRI

B6C3F1 MICE FEMALE	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Thymus	(46)	(38)	(43)	(40)	(47)
Angiectasis				1 [2.0]	
Atrophy	2 [2.0]			1 [3.0]	1 [2.0]
Hyperplasia, Lymphoid	30 [1.7]	20 [1.6]	17 [1.8]	25 [1.8]	32 [1.7]
INTEGUMENTARY SYSTEM					
Mammary Gland	(50)	(48)	(50)	(50)	(50)
Cyst	3 [2.3]				1 [3.0]
Hyperplasia				1 [2.0]	1 [1.0]
Duct, Cyst				1 [3.0]	
Skin	(50)	(50)	(50)	(49)	(50)
Edema			1 [3.0]		
Inflammation, Granulomatous	1 [2.0]				
Inflammation, Chronic			1 [3.0]		
Ulcer		1 [3.0]	1 [3.0]	1 [3.0]	
Dermis, Cyst	1 [2.0]				
MUSCULOSKELETAL SYSTEM					
Bone	(50)	(50)	(50)	(50)	(50)
Fibrosis			1 [2.0]		
Cranium, Fibrosis					1 [3.0]
Cranium, Osteopetrosis	1 [2.0]	1 [2.0]			
Skeletal Muscle	(2)	(6)	(1)	(1)	(1)
Fibrosis					1 [2.0]
NERVOUS SYSTEM					
Brain	(50)	(50)	(50)	(50)	(50)
Compression	1 [2.0]		2 [2.5]	2 [2.5]	
Cerebellum, Vacuolization Cytoplasmic	1 [2.0]				
Cerebrum, Edema	1 [2.0]				
RESPIRATORY SYSTEM					
Lung	(50)	(50)	(50)	(50)	(50)
Fibrosis	1 [1.0]				

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Species/Strain: MICE/B6C3F1

Lab: SRI

B6C3F1 MICE FEMALE	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Hemorrhage		1 [2.0]		1 [1.0]	
Infiltration Cellular, Histiocyte	2 [2.0]		2 [2.0]		2 [2.0]
Infiltration Cellular, Lymphocyte	1 [1.0]	4 [1.3]	6 [1.2]	4 [1.3]	5 [1.2]
Infiltration Cellular, Mixed Cell				1 [2.0]	
Metaplasia, Osseous	1 [1.0]				
Alveolar Epithelium, Hyperplasia	1 [1.0]		2 [1.5]		1 [1.0]
Capillary, Infiltration Cellular, Mixed Cell					1 [4.0]
Nose	(50)	(50)	(50)	(50)	(50)
SPECIAL SENSES SYSTEM					
Eye	(49)	(48)	(48)	(46)	(50)
Atrophy				1 [3.0]	1 [3.0]
Harderian Gland	(49)	(49)	(50)	(50)	(50)
Hyperplasia, Focal	1 [1.0]		1 [1.0]	1 [1.0]	
Inflammation, Chronic				1 [2.0]	
URINARY SYSTEM					
Kidney	(50)	(49)	(50)	(49)	(50)
Accumulation, Hyaline Droplet			1 [3.0]		
Calculus Micro Observation Only		4 [1.5]		3 [1.3]	5 [1.8]
Casts Protein				1 [1.0]	
Cyst		2 [2.5]			1 [3.0]
Hemorrhage		1 [3.0]			1 [2.0]
Hydronephrosis		1 [3.0]		2 [2.0]	1 [2.0]
Infarct	4 [1.0]		3 [1.0]	2 [2.0]	2 [1.0]
Infiltration Cellular			1 [1.0]	1 [1.0]	2 [1.5]
Infiltration Cellular, Lymphocyte	10 [1.1]	5 [1.4]	10 [1.4]	10 [1.3]	7 [1.4]
Inflammation, Chronic		1 [1.0]	2 [1.0]		
Metaplasia, Osseous	1 [1.0]	1 [1.0]		3 [1.0]	1 [1.0]
Mineralization		2 [1.0]			1 [2.0]
Nephropathy	21 [1.2]	30 [1.2]	30 [1.0]	26 [1.2]	28 [1.2]
Papilla, Necrosis			1 [1.0]		1 [1.0]
Renal Tubule, Accumulation, Hyaline Droplet					1 [3.0]
Renal Tubule, Mineralization	1 [2.0]				
Renal Tubule, Pigmentation					1 [1.0]
Ureter	(0)	(0)	(0)	(1)	(0)

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Test Type: CHRONIC

Sodium dichromate dihydrate (VI)

Time Report Reqsted: 10:37:54

Route: DOSED WATER

CAS Number: 7789-12-0

First Dose M/F: 09/04/02 / 09/04/02

Species/Strain: MICE/B6C3F1

Lab: SRI

B6C3F1 MICE FEMALE	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Urinary Bladder Infiltration Cellular, Lymphocyte	(50) 42 [1.2]	(48) 33 [1.1]	(50) 37 [1.1]	(48) 27 [1.1]	(49) 38 [1.4]

*** END OF REPORT ***

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