

Test Type: CHRONIC

Time Report Requested: 08:19:02

Route: DOSED FEED

CAS Number: 27882-76-4

First Dose M/F: 07/29/02 / 07/29/02

Species/Strain: MICE/B6C3F1

Pathologist: HEATH, J. - Blackshear, P. - Unknown, U.

Lab: SRI

B6C3F1 MICE MALE	0 PPM	2000 PPM	10000 PPM	50000 PPM
Disposition Summary				
Animals Initially in Study	50	50	50	50
Early Deaths				
Moribund Sacrifice	3	3	6	1
Natural Death	1	4	6	4
Survivors				
Natural Death				1
Terminal Sacrifice	46	43	38	44
Animals Examined Microscopically	50	50	50	50
ALIMENTARY SYSTEM				
Esophagus	(50)	(49)	(49)	(50)
Infiltration Cellular, Polymorphonuclear				1 [2.0]
Gallbladder	(46)	(49)	(45)	(46)
Intestine Large, Cecum	(50)	(49)	(48)	(49)
Edema		1 [2.0]		
Hyperplasia, Lymphoid		1 [3.0]		
Intestine Large, Rectum	(50)	(49)	(50)	(50)
Inflammation, Chronic Active		1 [3.0]		
Intestine Small, Duodenum	(49)	(47)	(50)	(49)
Intestine Small, Ileum	(50)	(49)	(46)	(49)
Hyperplasia, Lymphoid		1 [3.0]		
Intestine Small, Jejunum	(50)	(48)	(48)	(49)
Hyperplasia, Lymphoid	1 [2.0]			1 [2.0]
Inflammation, Chronic	2 [2.0]		1 [2.0]	
Liver	(50)	(50)	(50)	(50)
Angiectasis		1		
Basophilic Focus	9	10	10	8
Clear Cell Focus	12	7	6	4
Cyst		1		
Eosinophilic Focus	7	4	5	5
Hematopoietic Cell Proliferation	1 [3.0]	1 [2.0]	1 [3.0]	1 [1.0]
Infiltration Cellular, Mixed Cell	1 [2.0]	4 [1.3]	2 [2.5]	5 [2.0]
Inflammation, Chronic Active		2 [1.0]		1 [3.0]
Mixed Cell Focus	14	8	6	8
Necrosis, Focal	2 [2.5]	5 [1.8]	8 [2.0]	4 [1.5]

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)

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B6C3F1 MICE MALE	0 PPM	2000 PPM	10000 PPM	50000 PPM
Tension Lipidosis				1
Bile Duct, Hyperplasia			1 [2.0]	
Centrilobular, Necrosis				1 [4.0]
Hepatocyte, Fatty Change, Focal				1 [1.0]
Hepatocyte, Vacuolization Cytoplasmic	3 [2.3]	1 [3.0]	4 [3.3]	2 [3.0]
Kupffer Cell, Hyperplasia	4 [2.0]	1 [2.0]		2 [1.0]
Kupffer Cell, Pigmentation	1 [2.0]			
Mesentery	(3)	(7)	(2)	(4)
Hemorrhage	1 [3.0]	4 [3.0]		1 [2.0]
Inflammation, Granulomatous				1 [2.0]
Fat, Necrosis	2 [2.5]	2 [2.5]	2 [2.5]	3 [2.7]
Pancreas	(50)	(49)	(49)	(50)
Atrophy	1 [4.0]			1 [1.0]
Basophilic Focus		1		
Cyst			1 [3.0]	
Acinus, Cytoplasmic Alteration		1 [4.0]	2 [3.0]	
Salivary Glands	(50)	(50)	(50)	(50)
Hyperplasia, Lymphoid	1 [2.0]	1 [3.0]	1 [2.0]	1 [2.0]
Stomach, Forestomach	(50)	(50)	(50)	(50)
Diverticulum		1		
Erosion	1 [2.0]			
Inflammation, Chronic	1 [2.0]			
Ulcer		1 [2.0]		1 [2.0]
Epithelium, Hyperplasia	2 [2.5]	2 [2.0]	2 [1.0]	1 [2.0]
Stomach, Glandular	(50)	(49)	(50)	(50)
Erosion	1 [2.0]		2 [2.0]	3 [2.3]
Ulcer			1 [3.0]	
Epithelium, Hyperplasia	1 [2.0]			
CARDIOVASCULAR SYSTEM				
Heart	(50)	(50)	(50)	(50)
Cardiomyopathy	1 [2.0]			
Inflammation, Chronic	1 [4.0]		1 [2.0]	
Mineralization		1 [1.0]	1 [2.0]	1 [1.0]
Thrombosis				1 [3.0]
ENDOCRINE SYSTEM				

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B6C3F1 MICE MALE	0 PPM	2000 PPM	10000 PPM	50000 PPM
Adrenal Cortex	(50)	(50)	(49)	(50)
Accessory Adrenal Cortical Nodule	2 [3.0]	8 [3.0]	1 [3.0]	2 [3.0]
Hyperplasia, Focal	2 [1.0]		1 [2.0]	1 [2.0]
Hypertrophy, Focal	11 [1.4]	7 [1.4]	8 [1.5]	6 [1.3]
Capsule, Hyperplasia	7 [2.1]	4 [2.3]	5 [1.8]	9 [2.1]
Zona Reticularis, Cytoplasmic Alteration		1 [2.0]		
Adrenal Medulla	(49)	(50)	(49)	(49)
Hyperplasia	1 [2.0]	1 [1.0]	2 [1.0]	1 [2.0]
Islets, Pancreatic	(50)	(49)	(50)	(50)
Hyperplasia	3 [2.0]	1 [2.0]	3 [2.0]	2 [2.0]
Parathyroid Gland	(46)	(48)	(49)	(46)
Cyst	4 [3.0]		2 [3.0]	1 [3.0]
Pituitary Gland		(49)	(48)	(49)
Pars Distalis, Cyst	1 [3.0]		2 [3.0]	4 [3.0]
Pars Distalis, Hyperplasia, Focal		1 [1.0]	1 [1.0]	
Thyroid Gland	(50)	(50)	(50)	(50)
Follicle, Cyst	1 [3.0]			
Follicle, Degeneration, Focal	9 [1.8]	6 [1.5]	11 [1.8]	8 [1.9]
Follicular Cell, Hyperplasia	3 [1.3]		1 [1.0]	1 [1.0]

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Epididymis	(50)	(50)	(50)	(50)
Granuloma Sperm	1 [3.0]			
Inflammation, Chronic	1 [3.0]			
Preputial Gland	(50)	(50)	(50)	(50)
Cyst	17 [3.0]	12 [3.0]	17 [3.0]	18 [3.0]
Inflammation, Chronic	26 [2.7]	25 [2.7]	22 [2.7]	16 [2.6]
Prostate	(50)	(50)	(50)	(50)
Inflammation, Chronic			1 [2.0]	
Epithelium, Hyperplasia		1 [1.0]		
Seminal Vesicle	(50)	(50)	(50)	(50)
Inflammation, Chronic				1 [2.0]
Testes	(50)	(50)	(50)	(50)
Germinal Epithelium, Atrophy	3 [2.0]	1 [1.0]	1 [2.0]	2 [2.0]

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Species/Strain: MICE/B6C3F1

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Lab: SRI

B6C3F1 MICE MALE	0 PPM	2000 PPM	10000 PPM	50000 PPM
HEMATOPOIETIC SYSTEM				
Bone Marrow	(50)	(50)	(50)	(50)
Depletion Cellular				1 [2.0]
Hyperplasia	19 [2.3]	25 [2.4]	24 [2.5]	15 [2.9]
Lymph Node	(2)	(2)	(2)	(4)
Iliac, Hyperplasia, Lymphoid				1 [3.0]
Inguinal, Hyperplasia, Lymphoid				1 [4.0]
Mediastinal, Hyperplasia, Lymphoid	1 [4.0]			
Renal, Hemorrhage		1 [2.0]		
Lymph Node, Mandibular	(47)	(46)	(45)	(44)
Atrophy		1 [3.0]	1 [3.0]	
Hematopoietic Cell Proliferation	1 [2.0]	1 [3.0]		
Hyperplasia, Lymphoid	2 [2.5]	4 [2.5]	2 [2.5]	2 [3.0]
Pigmentation	1 [3.0]	1 [3.0]	1 [3.0]	
Lymph Node, Mesenteric	(46)	(48)	(48)	(48)
Atrophy	1 [3.0]	1 [3.0]		3 [2.0]
Ectasia			1 [3.0]	
Hematopoietic Cell Proliferation	3 [2.7]	3 [2.3]	5 [1.8]	6 [2.3]
Hemorrhage	5 [2.4]	9 [1.8]	9 [1.7]	9 [2.1]
Hyperplasia, Lymphoid	3 [2.7]	2 [3.0]	2 [2.5]	2 [3.5]
Infiltration Cellular, Polymorphonuclear		1 [4.0]		
Spleen	(50)	(49)	(50)	(50)
Angiectasis				1 [3.0]
Hematopoietic Cell Proliferation	15 [2.5]	13 [2.3]	19 [2.7]	16 [2.4]
Necrosis		1 [4.0]		
Lymphoid Follicle, Atrophy		1 [4.0]	1 [4.0]	2 [3.5]
Lymphoid Follicle, Hyperplasia			1 [2.0]	
Thymus	(41)	(46)	(47)	(43)
Atrophy	1 [3.0]	4 [2.8]	7 [2.7]	6 [2.8]
Cyst	3 [3.0]	2 [3.0]	2 [3.0]	3 [3.0]
INTEGUMENTARY SYSTEM				
Skin	(50)	(50)	(50)	(50)
Cyst Epithelial Inclusion		1		
Edema		1 [3.0]	2 [2.5]	
Inflammation, Chronic	2 [1.0]	1 [4.0]		

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B6C3F1 MICE MALE	0 PPM	2000 PPM	10000 PPM	50000 PPM
Epidermis, Hyperplasia	1 [2.0]			
MUSCULOSKELETAL SYSTEM				
Bone	(50)	(50)	(50)	(50)
NERVOUS SYSTEM				
Brain	(50)	(50)	(50)	(50)
Cyst Epithelial Inclusion				1
Hemorrhage				1 [4.0]
Peripheral Nerve	(2)	(2)	(1)	(1)
Atrophy		1 [1.0]		
Spinal Cord	(2)	(2)	(1)	(1)
RESPIRATORY SYSTEM				
Lung	(50)	(50)	(50)	(50)
Edema		1 [2.0]		
Hemorrhage	1 [1.0]	2 [1.5]	2 [1.0]	
Hyperplasia, Lymphoid	2 [2.5]	1 [3.0]	1 [2.0]	
Infiltration Cellular, Histiocyte	3 [2.7]	5 [3.0]	2 [3.5]	4 [3.8]
Metaplasia, Osseous				1 [2.0]
Thrombosis				1 [3.0]
Alveolar Epithelium, Hyperplasia	1 [1.0]	1 [2.0]	3 [1.3]	3 [1.3]
Nose	(50)	(50)	(50)	(50)
Inflammation, Chronic		3 [1.7]		1 [3.0]
Respiratory Epithelium, Hyperplasia		1 [2.0]		
SPECIAL SENSES SYSTEM				
Eye	(50)	(50)	(50)	(50)
Inflammation, Chronic	2 [1.5]	1 [2.0]		
Cornea, Hyperplasia	1 [2.0]	1 [2.0]		
Harderian Gland	(50)	(50)	(50)	(50)
Hyperplasia, Focal		2 [2.5]	1 [2.0]	
Inflammation, Chronic	1 [4.0]			

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CHROMIUM PICOLINATE MONOHYDRATE

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B6C3F1 MICE MALE	0 PPM	2000 PPM	10000 PPM	50000 PPM
URINARY SYSTEM				
Kidney	(50)	(50)	(50)	(50)
Cyst	4 [3.0]	4 [3.0]	3 [3.0]	3 [3.0]
Glomerulosclerosis		1 [2.0]	1 [3.0]	
Hydronephrosis	1 [3.0]	1 [3.0]	2 [2.0]	1 [2.0]
Hyperplasia, Lymphoid	2 [2.0]	1 [2.0]		1 [4.0]
Infarct	5 [1.8]	2 [2.0]	2 [2.0]	3 [2.3]
Inflammation, Suppurative				1 [1.0]
Inflammation, Chronic		1 [2.0]	1 [2.0]	
Metaplasia, Osseous	2 [1.5]	1 [1.0]		
Nephropathy	37 [1.4]	35 [1.4]	30 [1.5]	34 [1.4]
Papilla, Necrosis		1 [3.0]		
Renal Tubule, Dilatation, Diffuse		2 [2.5]		1 [3.0]
Renal Tubule, Hyperplasia		4 [1.3]		
Renal Tubule, Necrosis				1 [2.0]
Urinary Bladder	(50)	(49)	(50)	(50)
Edema			1 [3.0]	
Hemorrhage		1 [2.0]		
Inflammation, Chronic		1 [2.0]		

*** END OF MALE ***

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B6C3F1 MICE FEMALE	0 PPM	2000 PPM	10000 PPM	50000 PPM
Disposition Summary				
Animals Initially in Study	50	50	50	50
Early Deaths				
Moribund Sacrifice	1	2	2	6
Natural Death	4	3	4	5
Survivors				
Terminal Sacrifice	45	44	44	39
Animals Examined Microscopically	50	49	50	50
ALIMENTARY SYSTEM				
Esophagus	(48)	(49)	(50)	(50)
Gallbladder	(48)	(46)	(48)	(49)
Intestine Large, Cecum	(50)	(48)	(50)	(48)
Hyperplasia, Lymphoid			1 [4.0]	
Necrosis			1 [4.0]	
Intestine Large, Colon	(50)	(48)	(50)	(50)
Necrosis			1 [4.0]	
Intestine Large, Rectum	(50)	(47)	(50)	(50)
Intestine Small, Duodenum	(49)	(47)	(49)	(49)
Intestine Small, Jejunum	(48)	(49)	(50)	(48)
Hyperplasia, Lymphoid	1 [2.0]	1 [3.0]		1 [3.0]
Liver	(50)	(49)	(50)	(50)
Angiectasis	1	1		
Basophilic Focus	3	5	4	
Cyst	1			
Eosinophilic Focus	1	1		
Hematopoietic Cell Proliferation	2 [1.5]			3 [2.0]
Hemorrhage			1 [1.0]	1 [2.0]
Hyperplasia, Lymphoid	4 [2.5]	2 [2.5]	3 [2.0]	1 [2.0]
Infiltration Cellular, Mixed Cell	2 [1.0]	2 [1.5]	3 [2.0]	2 [2.0]
Inflammation, Chronic Active	1 [1.0]			
Mixed Cell Focus	1		3	
Necrosis, Focal		4 [1.3]	4 [1.0]	4 [1.0]
Necrosis, Diffuse	1 [2.0]	1 [1.0]		
Tension Lipidosis	2			
Centrilobular, Necrosis				1 [3.0]

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Hepatocyte, Vacuolization Cytoplasmic		1 [3.0]		
Kupffer Cell, Hyperplasia	1 [3.0]	1 [3.0]	1 [3.0]	
Mesentery	(7)	(5)	(4)	(7)
Hemorrhage	1 [3.0]	1 [2.0]		
Infiltration Cellular, Lymphoid		1 [3.0]		
Fat, Necrosis	5 [2.2]	3 [2.7]	3 [2.7]	5 [2.0]
Oral Mucosa	(0)	(1)	(0)	(0)
Pancreas	(50)	(48)	(50)	(50)
Atrophy	2 [4.0]	2 [4.0]		1 [4.0]
Cyst	2 [3.0]	2 [3.0]		1 [3.0]
Inflammation, Chronic	1 [2.0]			
Acinus, Cytoplasmic Alteration	1 [3.0]		1 [3.0]	2 [3.0]
Acinus, Necrosis		1 [2.0]		
Salivary Glands	(50)	(48)	(49)	(49)
Atrophy			1 [1.0]	
Hyperplasia, Lymphoid	10 [2.1]	6 [2.2]	3 [2.0]	8 [2.1]
Stomach, Forestomach	(50)	(48)	(50)	(50)
Diverticulum			2	
Ulcer				1 [1.0]
Epithelium, Hyperplasia	1 [1.0]	1 [3.0]	1 [3.0]	2 [1.5]
Stomach, Glandular	(50)	(47)	(50)	(50)
Cyst	1 [3.0]			
Edema	1 [2.0]			
Erosion				2 [2.0]
Foreign Body			1	
Inflammation, Chronic Active	1 [2.0]			
Epithelium, Hyperplasia			2 [2.5]	
CARDIOVASCULAR SYSTEM				
Heart	(50)	(49)	(50)	(50)
Cardiomyopathy			1 [2.0]	
Inflammation, Chronic	1 [2.0]		2 [1.0]	
Mineralization		1 [2.0]		
ENDOCRINE SYSTEM				
Adrenal Cortex	(50)	(49)	(50)	(50)
Accessory Adrenal Cortical Nodule	9 [3.0]	3 [3.0]	11 [3.0]	5 [3.0]

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Hyperplasia, Focal	1 [1.0]		1 [1.0]	1 [1.0]
Capsule, Hyperplasia	3 [2.0]	4 [2.3]	2 [2.0]	
Adrenal Medulla	(49)	(48)	(49)	(50)
Hyperplasia	2 [1.5]	1 [2.0]	1 [1.0]	
Islets, Pancreatic	(50)	(49)	(50)	(50)
Parathyroid Gland	(46)	(48)	(45)	(46)
Cyst			1 [3.0]	1 [3.0]
Hyperplasia		1 [3.0]		
Pituitary Gland	(47)	(48)	(50)	(50)
Pars Distalis, Angiectasis	3 [1.0]	1 [2.0]	1 [2.0]	
Pars Distalis, Cyst	3 [3.0]	1 [3.0]		2 [3.0]
Pars Distalis, Hyperplasia, Focal	5 [1.6]	3 [1.3]	5 [1.4]	2 [1.0]
Pars Intermedia, Hyperplasia		1 [2.0]		
Thyroid Gland	(50)	(49)	(49)	(50)
Ectopic Thymus		1 [3.0]		
Follicle, Cyst			1 [3.0]	
Follicle, Degeneration, Focal	15 [2.1]	17 [1.8]	24 [2.0]	16 [1.9]
Follicular Cell, Hyperplasia	1 [2.0]	1 [3.0]		3 [1.0]
GENERAL BODY SYSTEM				
Tissue NOS	(1)	(0)	(0)	(1)
Autolysis				1
GENITAL SYSTEM				
Clitoral Gland	(44)	(49)	(48)	(49)
Ovary	(48)	(49)	(49)	(49)
Angiectasis		1 [2.0]		1 [3.0]
Cyst	16 [3.0]	18 [3.0]	14 [3.0]	18 [3.0]
Hemorrhage	7 [2.0]	15 [2.3]	10 [1.9]	10 [2.5]
Metaplasia, Lipocyte		1 [3.0]		
Granulosa Cell, Hyperplasia			1 [2.0]	
Interstitial Cell, Hyperplasia		4 [2.5]	1 [2.0]	
Uterus	(50)	(49)	(50)	(50)
Angiectasis	2 [3.0]		1 [2.0]	3 [3.3]
Hemorrhage	1 [3.0]	1 [2.0]		1 [4.0]
Hyperplasia, Cystic	47 [3.1]	44 [2.9]	45 [3.3]	44 [3.0]
Metaplasia, Squamous				1 [2.0]

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HEMATOPOIETIC SYSTEM				
Bone Marrow	(50)	(49)	(50)	(50)
Hyperplasia	5 [2.4]	10 [2.4]	8 [2.6]	10 [2.7]
Infiltration Cellular, Histiocyte	1 [2.0]			
Myelofibrosis	1 [2.0]			
Lymph Node	(3)	(8)	(4)	(4)
Bronchial, Hyperplasia, Lymphoid		1 [2.0]		
Iliac, Hemorrhage			1 [3.0]	1 [3.0]
Iliac, Hyperplasia, Histiocytic		1 [3.0]		
Iliac, Hyperplasia, Lymphoid		2 [2.5]		
Mediastinal, Hyperplasia, Lymphoid	1 [4.0]			
Renal, Hemorrhage			1 [3.0]	
Renal, Hyperplasia, Lymphoid				1 [3.0]
Lymph Node, Mandibular	(50)	(46)	(46)	(48)
Atrophy	2 [2.0]			
Hemorrhage			1 [1.0]	
Hyperplasia, Lymphoid	1 [2.0]	3 [3.3]	6 [2.3]	2 [2.5]
Pigmentation	7 [2.9]	5 [3.0]	6 [3.0]	2 [3.0]
Lymph Node, Mesenteric	(50)	(48)	(49)	(48)
Atrophy	2 [2.0]			
Hematopoietic Cell Proliferation	3 [2.0]		1 [3.0]	1 [3.0]
Hemorrhage			2 [2.5]	2 [2.5]
Hyperplasia, Lymphoid	4 [2.5]		3 [2.7]	3 [3.0]
Spleen	(50)	(49)	(50)	(50)
Accessory Spleen	1		1	
Angiectasis	2 [3.0]			
Hematopoietic Cell Proliferation	14 [2.4]	12 [1.9]	11 [2.6]	11 [2.5]
Lymphoid Follicle, Atrophy	2 [3.0]			
Lymphoid Follicle, Hyperplasia	5 [2.0]	7 [2.0]	11 [2.3]	9 [2.6]
Thymus	(49)	(48)	(46)	(48)
Atrophy	2 [3.5]	2 [3.0]		2 [3.0]
Hyperplasia, Lymphoid	2 [3.0]		2 [2.0]	
INTEGUMENTARY SYSTEM				
Mammary Gland	(50)	(49)	(50)	(50)
Hyperplasia		2 [2.0]	1 [3.0]	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

Time Report Requested: 08:19:02

Route: DOSED FEED

CAS Number: 27882-76-4

First Dose M/F: 07/29/02 / 07/29/02

Species/Strain: MICE/B6C3F1

Pathologist: HEATH, J. - Blackshear, P. - Unknown, U.

Lab: SRI

B6C3F1 MICE FEMALE	0 PPM	2000 PPM	10000 PPM	50000 PPM
Skin	(50)	(49)	(50)	(50)
Edema				3 [2.0]
Inflammation, Chronic				1 [1.0]
Ulcer	1 [4.0]	1 [1.0]	1 [3.0]	1 [3.0]
Epidermis, Hyperplasia	1 [1.0]		1 [3.0]	
Hair Follicle, Atrophy		1 [4.0]		
MUSCULOSKELETAL SYSTEM				
Bone	(50)	(49)	(50)	(50)
Fibrosis	4 [2.3]	9 [2.8]	7 [2.1]	5 [2.4]
Skeletal Muscle	(2)	(2)	(3)	(2)
Inflammation, Chronic Active				1 [2.0]
Necrosis				1 [2.0]
NERVOUS SYSTEM				
Brain	(50)	(49)	(50)	(50)
Compression	1 [4.0]	1 [4.0]	1 [4.0]	1 [2.0]
Gliosis				1 [2.0]
Hemorrhage			1 [3.0]	
Peripheral Nerve	(2)	(3)	(2)	(0)
Atrophy	1 [3.0]	1 [3.0]	1 [1.0]	
RESPIRATORY SYSTEM				
Lung	(50)	(49)	(50)	(50)
Hemorrhage	2 [1.0]	2 [2.0]	1 [2.0]	3 [1.7]
Hyperplasia, Lymphoid	1 [2.0]	1 [2.0]	1 [2.0]	5 [2.0]
Infiltration Cellular, Histiocyte		4 [2.0]	1 [1.0]	2 [2.5]
Inflammation, Chronic				1 [1.0]
Thrombosis				1 [3.0]
Alveolar Epithelium, Hyperplasia		2 [1.0]	1 [1.0]	1 [2.0]
Capillary, Infiltration Cellular, Polymorphonuclear	1 [3.0]			1 [3.0]
Nose	(50)	(49)	(50)	(50)
Inflammation, Chronic			1 [1.0]	

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Lab: SRI

B6C3F1 MICE FEMALE	0 PPM	2000 PPM	10000 PPM	50000 PPM
SPECIAL SENSES SYSTEM				
Eye	(50)	(48)	(50)	(50)
Cataract	1 [1.0]			
Inflammation, Chronic		1 [2.0]	1 [1.0]	
Cornea, Hyperplasia			1 [1.0]	
Harderian Gland	(50)	(48)	(50)	(50)
Atrophy	1 [4.0]			
Hyperplasia, Focal		2 [2.0]		
Zymbal's Gland	(0)	(0)	(1)	(0)
URINARY SYSTEM				
Kidney	(50)	(49)	(50)	(50)
Cyst			1 [3.0]	
Glomerulosclerosis		1 [3.0]	1 [3.0]	
Hyperplasia, Lymphoid	2 [2.5]		3 [2.3]	4 [2.3]
Infarct	1 [2.0]		2 [2.5]	1 [1.0]
Inflammation, Chronic				1 [2.0]
Metaplasia, Osseous	1 [2.0]	1 [1.0]	2 [1.5]	4 [1.8]
Nephropathy	7 [1.1]	17 [1.2]	13 [1.1]	11 [1.1]
Renal Tubule, Accumulation, Hyaline Droplet			2 [3.5]	2 [3.5]
Renal Tubule, Dilatation, Diffuse				1 [2.0]
Renal Tubule, Necrosis				1 [1.0]
Renal Tubule, Pigmentation				1 [3.0]
Urinary Bladder	(49)	(49)	(50)	(50)
Hyperplasia, Lymphoid	6 [2.5]	3 [2.3]	3 [2.0]	5 [2.4]
Inflammation, Chronic			1 [2.0]	

*** END OF REPORT ***