

TDMS No. 88123 - 07

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

Date Report Requested: 05/04/2006

Test Type: CHRONIC

FORMAMIDE

Time Report Requested: 11:47:08

Route: GAVAGE

CAS Number: 75-12-7

First Dose M/F: 10/04/01 / 10/03/01

Species/Strain: MICE/B6C3F1

Pathologist: RYAN, M. - Blackshear, P.

Lab: BAT

F1_M3

C Number: C88123B
Lock Date: 05/24/2004
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL

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 MG/KG	20 MG/KG	40 MG/KG	80 MG/KG
Disposition Summary				
Animals Initially in Study	50	50	50	50
Early Deaths				
Moribund Sacrifice	4	8	6	14
Natural Death	7		8	3
Survivors				
Terminal Sacrifice	39	42	36	33
Animals Examined Microscopically	50	50	50	50
ALIMENTARY SYSTEM				
Esophagus	(50)	(50)	(50)	(50)
Artery, Inflammation, Chronic			1 [2.0]	
Muscularis, Inflammation, Chronic	1 [2.0]			
Gallbladder	(45)	(48)	(45)	(46)
Cyst		1 [1.0]		
Inflammation, Chronic		1 [1.0]	1 [1.0]	3 [2.0]
Ulcer				1 [2.0]
Epithelium, Cytoplasmic Alteration		1 [3.0]		2 [3.5]
Epithelium, Hyperplasia		1 [2.0]	2 [2.0]	
Intestine Large, Cecum	(50)	(50)	(50)	(50)
Edema		1 [3.0]		
Hemorrhage			1 [3.0]	
Artery, Inflammation, Chronic			1 [2.0]	
Intestine Large, Colon	(50)	(50)	(50)	(50)
Hemorrhage			1 [3.0]	
Artery, Inflammation, Chronic	1 [2.0]			
Intestine Large, Rectum	(50)	(50)	(50)	(50)
Artery, Inflammation, Chronic		1 [2.0]		
Intestine Small, Duodenum	(50)	(50)	(50)	(50)
Artery, Inflammation, Chronic	1 [1.0]			
Epithelium, Hyperplasia, Focal				1 [2.0]
Intestine Small, Ileum	(50)	(50)	(50)	(50)
Intestine Small, Jejunum	(50)	(50)	(50)	(50)
Inflammation, Granulomatous		1 [2.0]		
Inflammation, Chronic				1 [1.0]
Peyer's Patch, Hyperplasia, Lymphoid	2 [3.0]			1 [1.0]

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B6C3F1 MICE MALE	0 MG/KG	20 MG/KG	40 MG/KG	80 MG/KG
Liver	(50)	(50)	(50)	(50)
Angiectasis			1 [2.0]	
Basophilic Focus	2	4	3	4
Clear Cell Focus	29	27	21	8
Eosinophilic Focus	16	21	14	9
Fatty Change	31 [1.6]	25 [1.4]	15 [1.3]	1 [1.0]
Fibrosis				1 [2.0]
Hematopoietic Cell Proliferation	1 [1.0]			
Hepatodiaphragmatic Nodule				1
Inflammation, Acute	1 [1.0]			1 [1.0]
Inflammation, Chronic	16 [1.2]	16 [1.3]	11 [1.3]	15 [1.3]
Mineralization	1 [1.0]	1 [2.0]		
Mixed Cell Focus	10	12	13	11
Necrosis	5 [1.8]	9 [1.8]	7 [1.9]	11 [2.0]
Tension Lipidosis	4 [1.0]	5 [1.0]	1 [1.0]	6 [1.0]
Bile Duct, Dilatation		1 [1.0]		
Bile Duct, Hyperplasia		1 [2.0]		
Centrilobular, Degeneration	1 [3.0]			
Centrilobular, Necrosis	1 [2.0]			1 [2.0]
Serosa, Hyperplasia		1 [4.0]		
Vein, Thrombosis				1 [3.0]
Mesentery	(3)	(1)	(1)	(1)
Inflammation, Chronic	1 [3.0]			
Artery, Inflammation, Chronic	1 [2.0]		1 [2.0]	
Fat, Necrosis	1 [2.0]	1 [2.0]		
Oral Mucosa	(7)	(5)	(5)	(7)
Inflammation, Chronic				1 [2.0]
Gingival, Inflammation, Chronic	7 [1.6]	5 [1.6]	5 [1.6]	6 [1.8]
Pancreas	(50)	(50)	(50)	(50)
Acinus, Atrophy	1 [1.0]	3 [1.3]		2 [1.5]
Acinus, Cytoplasmic Alteration		1 [1.0]	1 [2.0]	1 [1.0]
Duct, Cyst			1 [3.0]	1 [1.0]
Duct, Inflammation, Chronic		1 [1.0]		
Salivary Glands	(50)	(50)	(50)	(50)
Inflammation, Granulomatous	1 [1.0]			
Artery, Parotid Gland, Inflammation, Chronic			1 [1.0]	
Artery, Parotid Gland, Mineralization			1 [2.0]	1 [2.0]
Parotid Gland, Atrophy				1 [2.0]
Stomach, Forestomach	(50)	(50)	(50)	(50)

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Lab: BAT

B6C3F1 MICE MALE	0 MG/KG	20 MG/KG	40 MG/KG	80 MG/KG
Hemorrhage			1 [2.0]	
Inflammation, Chronic	1 [2.0]			
Ulcer	1 [2.0]		1 [1.0]	1 [2.0]
Artery, Inflammation, Chronic	1 [2.0]			
Epithelium, Hyperplasia, Focal	1 [2.0]		1 [1.0]	
Epithelium, Vacuolization Cytoplasmic		1 [2.0]		
Stomach, Glandular	(50)	(50)	(50)	(50)
Hemorrhage, Acute		1 [2.0]		
Inflammation, Chronic			4 [1.0]	1 [1.0]
Mineralization			1 [1.0]	
Ulcer			1 [2.0]	3 [1.7]
Epithelium, Glands, Ectasia		1 [1.0]		
Epithelium, Glands, Hyperplasia, Focal			1 [2.0]	
Epithelium, Hyperplasia, Focal		1 [2.0]		
Glands, Ectasia		1 [1.0]	2 [1.5]	2 [1.0]
Tooth	(15)	(14)	(9)	(2)
Dysplasia	2 [3.0]	1 [2.0]	2 [2.0]	
Malformation	14 [1.9]	13 [2.1]	7 [1.4]	2 [1.5]

CARDIOVASCULAR SYSTEM

Blood Vessel	(50)	(50)	(50)	(50)
Aorta, Inflammation, Chronic	1 [3.0]			
Heart	(50)	(50)	(50)	(50)
Thrombosis				1 [4.0]
Artery, Inflammation, Chronic	1 [1.0]	1 [1.0]	2 [3.0]	
Atrium, Thrombosis	1 [3.0]	1 [4.0]		3 [3.7]
Epicardium, Hyperplasia	1 [1.0]			
Epicardium, Infiltration Cellular, Mononuclear Cell	1 [1.0]			
Myocardium, Infiltration Cellular, Mononuclear Cell	9 [1.0]	10 [1.0]	2 [1.5]	12 [1.1]
Myocardium, Mineralization			2 [1.5]	2 [1.5]
Myocardium, Necrosis	3 [1.0]	1 [1.0]	1 [2.0]	4 [1.5]
Myocardium, Necrosis, Focal		1 [1.0]		
Nerve, Inflammation, Chronic				1 [1.0]
Ventricle, Atrophy			1 [4.0]	

ENDOCRINE SYSTEM

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Lab: BAT

B6C3F1 MICE MALE	0 MG/KG	20 MG/KG	40 MG/KG	80 MG/KG
Adrenal Cortex	(50)	(50)	(49)	(50)
Angiectasis		1 [1.0]	1 [1.0]	1 [1.0]
Hyperplasia	2 [1.5]			2 [1.0]
Hypertrophy	15 [1.3]	17 [1.1]	17 [1.2]	13 [1.2]
Pigmentation	1 [1.0]			2 [1.0]
Vacuolization Cytoplasmic				1 [1.0]
Vacuolization Cytoplasmic, Focal	17 [1.3]	14 [1.1]	11 [1.2]	16 [1.2]
Subcapsular, Hyperplasia	50 [1.5]	49 [1.2]	42 [1.2]	45 [1.2]
Subcapsular, Hypertrophy, Focal	1 [1.0]			
Adrenal Medulla	(50)	(50)	(50)	(50)
Hyperplasia, Focal	2 [1.0]	1 [1.0]	1 [2.0]	3 [1.3]
Islets, Pancreatic	(50)	(50)	(50)	(50)
Hyperplasia	35 [1.4]	24 [1.3]	24 [1.3]	9 [1.3]
Parathyroid Gland	(43)	(39)	(46)	(47)
Right, Atrophy				1 [2.0]
Pituitary Gland	(50)	(50)	(50)	(49)
Angiectasis	1 [2.0]			
Cyst	5 [1.0]	2 [1.0]	2 [1.0]	2 [1.0]
Pars Distalis, Hyperplasia, Focal	3 [1.3]	4 [1.5]	1 [1.0]	
Thyroid Gland	(50)	(50)	(50)	(50)
Cyst	2 [1.0]	3 [1.0]	2 [1.0]	5 [1.2]
Inflammation, Granulomatous	1 [1.0]			
Inflammation, Chronic		1 [1.0]		1 [2.0]
C-cell, Hyperplasia				1 [1.0]
Follicle, Hyperplasia	1 [3.0]			
Follicle, Hyperplasia, Focal	12 [1.3]	15 [1.5]	8 [1.4]	8 [1.5]

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Epididymis	(50)	(50)	(50)	(50)
Granuloma Sperm	1 [3.0]	1 [2.0]		3 [2.0]
Inflammation, Chronic	1 [1.0]			1 [3.0]
Artery, Inflammation, Chronic		1 [2.0]		
Preputial Gland	(50)	(50)	(50)	(50)
Cyst	19 [2.0]	11 [2.0]	11 [2.3]	10 [2.1]

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Lab: BAT

B6C3F1 MICE MALE	0 MG/KG	20 MG/KG	40 MG/KG	80 MG/KG
Infiltration Cellular, Lymphoid			1 [3.0]	
Infiltration Cellular, Chronic				1 [3.0]
Inflammation, Suppurative				1 [2.0]
Inflammation, Granulomatous	1 [2.0]	1 [2.0]		
Inflammation, Chronic	1 [2.0]	4 [2.3]		1 [2.0]
Duct, Cyst		1 [2.0]		
Prostate	(50)	(50)	(50)	(50)
Infiltration Cellular, Lymphoid			1 [2.0]	
Inflammation, Suppurative	1 [2.0]	1 [2.0]		1 [1.0]
Inflammation, Chronic		1 [2.0]	1 [2.0]	
Seminal Vesicle	(50)	(50)	(50)	(50)
Atrophy				2 [2.5]
Fibrosis	1 [2.0]		1 [2.0]	
Inflammation, Suppurative	1 [4.0]			
Inflammation, Chronic		1 [2.0]		
Testes	(50)	(50)	(50)	(50)
Granuloma Sperm				1
Artery, Inflammation, Chronic	1 [2.0]		1 [1.0]	
Artery, Mineralization		2 [1.0]	5 [1.4]	35 [1.6]
Artery, Thrombosis			1 [4.0]	
Germinal Epithelium, Degeneration	1 [3.0]	4 [1.5]	1 [2.0]	4 [1.8]
Germinal Epithelium, Inflammation, Chronic				1 [2.0]
Germinal Epithelium, Mineralization		1 [2.0]	1 [2.0]	
Tunic, Inflammation, Chronic	1 [1.0]			1 [1.0]
Tunic, Mineralization	1 [1.0]		5 [1.0]	27 [1.8]
HEMATOPOIETIC SYSTEM				
Bone Marrow	(50)	(50)	(50)	(50)
Hyperplasia	34 [1.0]	39 [1.0]	35 [1.0]	34 [1.1]
Lymph Node	(4)	(2)	(1)	(1)
Bronchial, Hyperplasia, Lymphoid	1 [3.0]			
Lumbar, Hyperplasia, Lymphoid	1 [3.0]			
Mediastinal, Hyperplasia, Lymphoid	2 [3.0]			
Pancreatic, Hyperplasia		1 [4.0]		
Renal, Hyperplasia, Lymphoid	2 [3.5]			
Lymph Node, Mandibular	(49)	(48)	(49)	(48)
Atrophy	11 [2.0]	5 [2.4]	6 [2.5]	13 [2.3]

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Lab: BAT

B6C3F1 MICE MALE	0 MG/KG	20 MG/KG	40 MG/KG	80 MG/KG
Hematopoietic Cell Proliferation	1 [1.0]			
Hyperplasia, Lymphoid	2 [2.0]	5 [2.2]	5 [2.0]	2 [2.0]
Necrosis, Lymphoid	2 [2.0]			1 [1.0]
Lymph Node, Mesenteric	(50)	(47)	(50)	(49)
Atrophy	10 [1.9]	3 [2.7]	6 [2.3]	14 [1.9]
Hyperplasia, Lymphoid	4 [2.3]	1 [3.0]	4 [2.3]	
Necrosis, Lymphoid	1 [2.0]		1 [1.0]	1 [1.0]
Spleen	(50)	(50)	(50)	(50)
Atrophy	2 [4.0]	6 [2.5]	3 [3.0]	7 [1.6]
Hematopoietic Cell Proliferation	14 [2.1]	14 [2.2]	20 [1.9]	28 [2.0]
Hyperplasia, Plasma Cell	1 [2.0]			
Lymphoid Follicle, Hyperplasia	4 [1.5]	1 [2.0]	4 [2.5]	
Lymphoid Follicle, Necrosis	1 [2.0]			
Thymus	(47)	(46)	(50)	(46)
Atrophy	41 [2.2]	39 [2.5]	37 [2.7]	44 [3.2]
Cyst	19 [1.2]	9 [1.0]	15 [1.2]	9 [1.0]
Ectopic Parathyroid Gland			1 [1.0]	
Hyperplasia, Lymphoid	1 [2.0]		2 [2.0]	
Necrosis	1 [1.0]			
Epithelial Cell, Hyperplasia			1 [2.0]	
INTEGUMENTARY SYSTEM				
Skin	(50)	(50)	(50)	(50)
Ulcer				3 [3.0]
Subcutaneous Tissue, Edema				1 [3.0]
Subcutaneous Tissue, Inflammation, Chronic	1 [1.0]			
Subcutaneous Tissue, Necrosis			1 [3.0]	
MUSCULOSKELETAL SYSTEM				
Bone	(50)	(50)	(50)	(50)
Hyperostosis	1 [2.0]	2 [2.0]	2 [2.0]	3 [2.0]
Cranium, Hyperplasia		1 [2.0]		
Skeletal Muscle	(1)	(1)	(0)	(2)
Inflammation, Granulomatous	1 [2.0]			

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B6C3F1 MICE MALE	0 MG/KG	20 MG/KG	40 MG/KG	80 MG/KG
NERVOUS SYSTEM				
Brain	(50)	(50)	(50)	(50)
Compression	1 [3.0]			
Cyst Epithelial Inclusion	1			
Hemorrhage, Acute		1 [3.0]		
Hydrocephalus	1 [2.0]			
Necrosis		1 [2.0]		
Artery, Inflammation, Chronic		1 [2.0]	1 [2.0]	
Meninges, Ventricle, Inflammation, Granulomatous	1 [2.0]			
Meninges, Infiltration Cellular, Lymphocyte		1 [2.0]		
Vein, Infiltration Cellular, Mononuclear Cell		1 [2.0]		
Peripheral Nerve	(0)	(0)	(1)	(0)
Axon, Degeneration			1 [3.0]	
Spinal Cord	(0)	(0)	(1)	(0)
Hemorrhage			1 [2.0]	
RESPIRATORY SYSTEM				
Lung	(50)	(50)	(50)	(50)
Fibrosis	1 [1.0]			
Inflammation, Chronic			3 [1.3]	1 [2.0]
Metaplasia, Osseous			2 [1.0]	
Alveolar Epithelium, Hyperplasia	2 [1.0]	1 [1.0]	4 [3.3]	2 [2.0]
Alveolus, Infiltration Cellular, Histiocyte	1 [1.0]		1 [2.0]	8 [1.5]
Arteriole, Thrombosis	1 [2.0]			
Artery, Mineralization	1 [1.0]			
Bronchus, Hypertrophy	1 [2.0]			
Serosa, Inflammation, Chronic				1 [2.0]
Nose	(50)	(50)	(50)	(50)
Inflammation, Suppurative	4 [2.3]	4 [1.0]	1 [2.0]	1 [1.0]
Inflammation, Chronic		2 [1.0]	1 [1.0]	1 [1.0]
Polyp, Inflammatory	1 [2.0]	1 [2.0]	1 [2.0]	
Glands, Hyperplasia				1 [2.0]
Glands, Hyperplasia, Focal	1 [2.0]			
Glands, Inflammation, Suppurative	4 [1.0]	1 [1.0]	1 [1.0]	

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Nasolacrimal Duct, Infiltration Cellular, Polymorphonuclear	2 [1.0]	5 [1.4]	2 [2.0]	2 [1.0]
Nasopharyngeal Duct, Inflammation, Chronic				1 [1.0]
Olfactory Epithelium, Amyloid Deposition	1 [2.0]			
Olfactory Epithelium, Atrophy, Focal	8 [1.6]	5 [1.6]	1 [3.0]	2 [2.0]
Olfactory Epithelium, Metaplasia	1 [3.0]			
Olfactory Epithelium, Metaplasia, Focal		1 [1.0]		
Respiratory Epithelium, Atrophy, Focal		2 [1.0]		
Respiratory Epithelium, Hyperplasia, Focal	1 [1.0]	1 [1.0]	1 [1.0]	
Respiratory Epithelium, Metaplasia, Squamous		1 [1.0]		
Vomeronasal Organ, Infiltration Cellular, Polymorphonuclear	2 [1.0]	10 [1.0]	3 [1.0]	4 [1.0]
Pleura	(1)	(0)	(0)	(0)
Hyperplasia	1 [2.0]			
SPECIAL SENSES SYSTEM				
Eye	(50)	(50)	(50)	(50)
Degeneration				1 [3.0]
Anterior Chamber, Inflammation, Suppurative				1 [3.0]
Cornea, Inflammation, Chronic	3 [1.7]		2 [1.0]	1 [1.0]
Harderian Gland	(50)	(50)	(50)	(50)
Hyperplasia, Focal	4 [1.8]	8 [1.8]	5 [2.0]	10 [1.8]
URINARY SYSTEM				
Kidney	(50)	(50)	(50)	(50)
Casts Protein	1 [3.0]			
Fibrosis, Focal			1 [1.0]	
Infarct	1 [1.0]	1 [1.0]	3 [1.3]	
Inflammation, Suppurative				1 [1.0]
Inflammation, Chronic		2 [3.0]		1 [1.0]
Metaplasia, Osseous	1 [1.0]	1 [1.0]	3 [1.3]	4 [1.0]
Mineralization	16 [1.0]	15 [1.0]	2 [1.0]	5 [1.0]
Necrosis				1 [3.0]

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Nephropathy	43 [1.3]	46 [1.2]	41 [1.3]	45 [1.4]
Artery, Inflammation, Chronic	2 [2.5]	1 [3.0]	1 [3.0]	
Glomerulus, Inflammation, Chronic	1 [3.0]			
Glomerulus, Necrosis, Fibrinoid	1 [4.0]			
Papilla, Necrosis	1 [2.0]			
Pelvis, Inflammation, Suppurative	1 [3.0]			2 [2.0]
Renal Tubule, Accumulation, Hyaline Droplet	1 [2.0]			
Renal Tubule, Cyst	8 [1.0]	5 [1.2]	4 [1.3]	5 [1.0]
Renal Tubule, Hyperplasia	1 [1.0]	2 [1.5]	5 [1.0]	1 [1.0]
Renal Tubule, Mineralization			1 [1.0]	
Vein, Infiltration Cellular, Lymphocyte		1 [4.0]		
Urinary Bladder	(50)	(50)	(50)	(50)
Infiltration Cellular, Lymphoid	1 [3.0]		1 [2.0]	
Inflammation, Suppurative	1 [2.0]			
Inflammation, Chronic		2 [2.5]		1 [1.0]
Artery, Inflammation, Chronic	1 [2.0]		1 [3.0]	
Artery, Mineralization	1 [2.0]			
Transitional Epithelium, Hyperplasia	1 [3.0]			

*** END OF MALE ***

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CAS Number: 75-12-7

First Dose M/F: 10/04/01 / 10/03/01

Species/Strain: MICE/B6C3F1

Pathologist: RYAN, M. - Blackshear, P.

Lab: BAT

B6C3F1 MICE FEMALE	0 MG/KG	20 MG/KG	40 MG/KG	80 MG/KG
Disposition Summary				
Animals Initially in Study	50	50	50	50
Early Deaths				
Dosing Accident			1	
Moribund Sacrifice	7	8	8	8
Natural Death	5	3	10	3
Survivors				
Natural Death		1		
Terminal Sacrifice	38	38	31	39
Animals Examined Microscopically	50	50	50	50

ALIMENTARY SYSTEM

Esophagus	(50)	(50)	(50)	(50)
Inflammation, Suppurative			1 [3.0]	
Perforation			1	
Gallbladder	(47)	(45)	(46)	(49)
Cyst	1 [1.0]			
Inflammation, Chronic	1 [1.0]			
Epithelium, Cytoplasmic Alteration				1 [2.0]
Intestine Large, Cecum	(49)	(50)	(50)	(50)
Edema	1 [3.0]			
Lymphoid Tissue, Hyperplasia, Lymphoid			1 [2.0]	
Intestine Large, Colon	(50)	(50)	(50)	(50)
Intestine Large, Rectum	(50)	(50)	(50)	(50)
Serosa, Inflammation, Chronic			1 [2.0]	
Intestine Small, Duodenum	(50)	(50)	(50)	(50)
Inflammation, Chronic	1 [1.0]			
Epithelium, Hyperplasia, Focal	1 [2.0]			
Intestine Small, Ileum	(50)	(50)	(50)	(50)
Epithelium, Cyst	1			
Intestine Small, Jejunum	(50)	(50)	(50)	(50)
Artery, Peyer's Patch, Mineralization			1 [2.0]	
Epithelium, Hyperplasia, Focal				1 [2.0]
Liver	(50)	(50)	(50)	(50)
Angiectasis			2 [2.5]	
Basophilic Focus			1	2

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Test Type: CHRONIC

Time Report Requested: 11:47:08

Route: GAVAGE

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Pathologist: RYAN, M. - Blackshear, P.

Lab: BAT

B6C3F1 MICE FEMALE	0 MG/KG	20 MG/KG	40 MG/KG	80 MG/KG
Clear Cell Focus	3	2	2	2
Eosinophilic Focus	12	15	8	7
Fatty Change	6 [1.5]	7 [1.3]	4 [1.0]	2 [1.5]
Hematopoietic Cell Proliferation	3 [1.7]	4 [2.3]	1 [1.0]	1 [1.0]
Infarct			1 [3.0]	
Inflammation, Chronic	29 [1.0]	27 [1.0]	21 [1.0]	21 [1.0]
Mineralization				1 [2.0]
Mixed Cell Focus	4	5	4	6
Necrosis	1 [2.0]			2 [2.0]
Tension Lipidosis	3 [1.0]	9 [1.0]	5 [1.0]	6 [1.0]
Centrilobular, Necrosis			1 [2.0]	
Centrilobular, Vacuolization Cytoplasmic	1 [2.0]			
Mesentery	(8)	(3)	(8)	(2)
Fat, Necrosis	5 [2.2]	3 [2.3]	8 [2.4]	2 [2.0]
Oral Mucosa	(1)	(0)	(0)	(0)
Gingival, Inflammation, Chronic	1 [1.0]			
Pancreas	(49)	(49)	(50)	(50)
Hyperplasia, Lymphoid			1 [2.0]	
Inflammation, Chronic			2 [1.0]	
Acinus, Atrophy		1 [1.0]	3 [1.3]	2 [1.0]
Acinus, Cytoplasmic Alteration	1 [1.0]			1 [2.0]
Artery, Thrombosis			1 [3.0]	
Duct, Cyst			1 [3.0]	3 [1.7]
Duct, Cytoplasmic Alteration				1 [2.0]
Duct, Inflammation, Chronic	1 [1.0]		1 [1.0]	
Salivary Glands	(49)	(50)	(50)	(50)
Atrophy, Diffuse				1 [2.0]
Parotid Gland, Atrophy		1 [2.0]	1 [3.0]	
Stomach, Forestomach	(50)	(50)	(50)	(50)
Inflammation, Chronic	1 [2.0]			
Epithelium, Hyperplasia	1 [2.0]			1 [1.0]
Stomach, Glandular	(50)	(50)	(50)	(50)
Inflammation, Chronic	1 [1.0]	1 [1.0]		1 [1.0]
Ulcer		1 [2.0]		
Epithelium, Glands, Cytoplasmic Alteration	1 [1.0]			1 [2.0]
Epithelium, Glands, Hyperplasia				1 [2.0]
Glands, Ectasia	1 [2.0]			
Glands, Hyperplasia	1 [1.0]			
Tooth	(0)	(0)	(0)	(1)

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Route: GAVAGE

CAS Number: 75-12-7

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Species/Strain: MICE/B6C3F1

Pathologist: RYAN, M. - Blackshear, P.

Lab: BAT

B6C3F1 MICE FEMALE	0 MG/KG	20 MG/KG	40 MG/KG	80 MG/KG
Malformation				1 [2.0]
CARDIOVASCULAR SYSTEM				
Heart	(50)	(50)	(50)	(50)
Artery, Inflammation, Chronic	2 [1.5]			
Atrium, Thrombosis			1 [2.0]	1 [4.0]
Coronary Artery, Inflammation, Chronic	1 [4.0]			
Myocardium, Infiltration Cellular, Mononuclear Cell	2 [1.0]	7 [1.3]	4 [1.0]	3 [1.0]
Myocardium, Mineralization		3 [1.7]	1 [2.0]	
Myocardium, Necrosis			1 [1.0]	
Ventricle, Thrombosis				1 [2.0]
ENDOCRINE SYSTEM				
Adrenal Cortex	(49)	(50)	(49)	(50)
Angiectasis		1 [2.0]		
Atrophy				1 [2.0]
Hematopoietic Cell Proliferation	1 [2.0]	1 [1.0]		
Hyperplasia		2 [2.0]		1 [1.0]
Hypertrophy	1 [1.0]	1 [2.0]	4 [1.0]	
Pigmentation		3 [1.0]		
Vacuolization Cytoplasmic, Focal	3 [1.0]		2 [1.0]	
Subcapsular, Hyperplasia	49 [1.8]	49 [1.9]	48 [1.8]	49 [1.8]
Adrenal Medulla	(50)	(50)	(50)	(50)
Angiectasis		1 [1.0]		
Hyperplasia, Focal	1 [3.0]	4 [1.5]	1 [2.0]	2 [1.0]
Islets, Pancreatic	(50)	(50)	(50)	(50)
Hyperplasia	1 [1.0]	1 [1.0]	4 [1.0]	
Parathyroid Gland	(42)	(32)	(35)	(42)
Cyst	1 [1.0]			2 [1.0]
Pituitary Gland	(50)	(50)	(49)	(50)
Angiectasis	2 [1.5]	1 [1.0]		
Cyst	3 [1.3]	4 [1.3]		1 [1.0]
Fibrosis		1 [2.0]		
Hemorrhage, Chronic		1 [2.0]		
Pars Distalis, Hyperplasia, Focal	11 [1.5]	11 [1.5]	10 [1.6]	10 [1.6]
Pars Intermedia, Hyperplasia, Focal	1 [1.0]		1 [2.0]	1 [1.0]

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Route: GAVAGE

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First Dose M/F: 10/04/01 / 10/03/01

Species/Strain: MICE/B6C3F1

Pathologist: RYAN, M. - Blackshear, P.

Lab: BAT

B6C3F1 MICE FEMALE	0 MG/KG	20 MG/KG	40 MG/KG	80 MG/KG
Thyroid Gland	(49)	(50)	(50)	(50)
Cyst	1 [1.0]	1 [1.0]	2 [1.0]	
Infiltration Cellular, Lymphoid		1 [3.0]		
Inflammation, Suppurative		2 [1.0]		
Inflammation, Granulomatous				1 [1.0]
Inflammation, Chronic	1 [1.0]	1 [1.0]	1 [1.0]	
Follicle, Hyperplasia, Focal	14 [1.4]	6 [1.5]	10 [1.3]	5 [1.4]
GENERAL BODY SYSTEM				
None				
GENITAL SYSTEM				
Clitoral Gland	(50)	(50)	(49)	(50)
Duct, Cyst				1 [2.0]
Ovary	(50)	(50)	(50)	(49)
Angiectasis	2 [2.0]	2 [2.5]	1 [2.0]	2 [2.0]
Cyst	24 [1.4]	19 [1.5]	11 [1.6]	23 [1.2]
Mineralization		1 [2.0]		
Thrombosis	1 [3.0]	1 [3.0]	2 [4.0]	2 [1.5]
Bilateral, Thrombosis	1 [4.0]			
Follicle, Atrophy	33 [2.5]	29 [2.3]	35 [2.2]	37 [2.5]
Uterus	(50)	(50)	(50)	(50)
Angiectasis		2 [1.5]	2 [2.5]	1 [3.0]
Dilatation				2 [3.0]
Inflammation, Suppurative	1 [4.0]	1 [1.0]		
Inflammation, Chronic Active				1 [2.0]
Thrombosis			1 [4.0]	
Endometrium, Hyperplasia, Cystic	45 [1.7]	48 [1.5]	45 [1.6]	42 [1.5]
HEMATOPOIETIC SYSTEM				
Bone Marrow	(50)	(50)	(50)	(50)
Atrophy				1 [3.0]
Hyperplasia	8 [1.1]	10 [1.1]	13 [1.1]	5 [1.2]
Infiltration Cellular, Histiocyte	1 [2.0]			
Lymph Node	(8)	(4)	(6)	(5)

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Pathologist: RYAN, M. - Blackshear, P.

Lab: BAT

B6C3F1 MICE FEMALE	0 MG/KG	20 MG/KG	40 MG/KG	80 MG/KG
Bronchial, Hyperplasia, Lymphoid Iliac, Necrosis		1 [3.0] 1 [3.0]		
Lumbar, Hematopoietic Cell Proliferation	1 [2.0]			
Lumbar, Hyperplasia, Lymphoid	1 [2.0]			
Mediastinal, Hematopoietic Cell Proliferation	1 [2.0]			
Mediastinal, Hyperplasia, Lymphoid	2 [3.0]			
Mediastinal, Inflammation, Chronic			1 [3.0]	
Renal, Hyperplasia, Lymphoid	1 [3.0]			
Lymph Node, Mandibular Atrophy	(49) 3 [1.3]	(50) 2 [1.5]	(50) 6 [1.7]	(50) 4 [2.0]
Hematopoietic Cell Proliferation	1 [1.0]	1 [1.0]		
Hyperplasia, Lymphoid	8 [2.1]		5 [2.6]	6 [2.3]
Necrosis, Lymphoid	1 [1.0]		1 [3.0]	
Lymph Node, Mesenteric Atrophy	(50) 7 [1.3]	(50) 9 [1.2]	(49) 8 [1.5]	(50) 7 [1.9]
Hematopoietic Cell Proliferation	1 [2.0]			
Hyperplasia, Lymphoid	4 [2.0]	1 [2.0]	4 [2.3]	3 [2.0]
Infiltration Cellular, Polymorphonuclear			1 [2.0]	
Inflammation, Suppurative				1 [2.0]
Necrosis, Lymphoid	2 [1.5]	1 [2.0]	1 [2.0]	
Spleen Atrophy	(50) 1 [2.0]	(49) 2 [1.5]	(49) 1 [2.0]	(50) 2 [2.5]
Hematopoietic Cell Proliferation	17 [2.6]	17 [2.2]	15 [2.7]	8 [2.8]
Hyperplasia, Lymphoid				3 [2.7]
Hyperplasia, Plasma Cell	1 [2.0]		1 [2.0]	
Lymphoid Follicle, Hyperplasia	3 [3.0]	4 [2.0]		2 [2.0]
Lymphoid Follicle, Necrosis	3 [2.0]			1 [1.0]
Thymus Angiectasis	(49) 1 [2.0]	(50) 1 [2.0]	(49) 1 [2.0]	(50) 1 [2.0]
Atrophy	16 [2.4]	19 [2.3]	12 [2.5]	17 [2.4]
Cyst	7 [1.1]	9 [1.1]	7 [1.0]	
Hyperplasia, Lymphoid	9 [1.6]	11 [1.8]	7 [2.0]	8 [1.6]
Necrosis, Lymphoid	1 [2.0]	1 [2.0]	1 [2.0]	
INTEGUMENTARY SYSTEM				
Mammary Gland	(50)	(50)	(50)	(50)
Hyperplasia, Cystic	1 [1.0]	1 [1.0]		

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Lab: BAT

B6C3F1 MICE FEMALE	0 MG/KG	20 MG/KG	40 MG/KG	80 MG/KG
Skin	(50)	(50)	(50)	(50)
Cyst Epithelial Inclusion			1 [1.0]	
Inflammation, Granulomatous			1 [3.0]	
Ulcer			2 [3.0]	
MUSCULOSKELETAL SYSTEM				
Bone	(50)	(50)	(50)	(50)
Atrophy				1 [3.0]
Hyperostosis	3 [1.7]	6 [1.7]	3 [1.3]	2 [2.0]
Skeletal Muscle	(2)	(5)	(5)	(0)
Fibrosis		3 [2.0]		
Inflammation, Chronic			1 [1.0]	
NERVOUS SYSTEM				
Brain	(50)	(50)	(50)	(50)
Arteriole, Inflammation, Chronic	1 [2.0]			
Artery, Meninges, Inflammation, Chronic				1 [1.0]
Hypothalamus, Compression	1 [3.0]	2 [3.5]	1 [3.0]	
Meninges, Infiltration Cellular, Lymphocyte	2 [1.5]		1 [2.0]	
Vein, Infiltration Cellular, Lymphocyte	1 [1.0]			
Spinal Cord	(1)	(0)	(0)	(0)
Hemorrhage	1 [1.0]			
RESPIRATORY SYSTEM				
Lung	(50)	(50)	(50)	(50)
Hematopoietic Cell Proliferation		1 [4.0]		
Inflammation, Granulomatous				1 [2.0]
Inflammation, Focal, Chronic	1 [1.0]			
Inflammation, Chronic	2 [1.5]			
Metaplasia, Osseous	1 [2.0]		1 [1.0]	1 [1.0]
Necrosis			1 [3.0]	
Alveolar Epithelium, Hyperplasia	2 [1.0]	5 [1.4]	2 [1.0]	
Alveolus, Infiltration Cellular, Histiocyte	1 [1.0]	1 [2.0]	1 [2.0]	3 [1.7]
Vein, Thrombosis			2 [1.5]	

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B6C3F1 MICE FEMALE	0 MG/KG	20 MG/KG	40 MG/KG	80 MG/KG
Nose	(50)	(50)	(50)	(50)
Inflammation, Suppurative		1 [1.0]		
Inflammation, Chronic	1 [1.0]		2 [1.0]	
Glands, Hyperplasia	1 [1.0]			
Glands, Inflammation, Suppurative			2 [1.0]	
Nasolacrimal Duct, Infiltration Cellular, Polymorphonuclear	3 [1.3]	1 [1.0]	2 [1.5]	1 [1.0]
Olfactory Epithelium, Atrophy, Focal		2 [2.0]	1 [2.0]	1 [1.0]
Respiratory Epithelium, Hyperplasia, Focal	1 [1.0]			1 [2.0]
Respiratory Epithelium, Necrosis			1 [1.0]	
Vomeronasal Organ, Infiltration Cellular, Polymorphonuclear	9 [1.0]	11 [1.0]	2 [1.0]	5 [1.0]
Pleura	(0)	(0)	(1)	(0)
SPECIAL SENSES SYSTEM				
Eye	(49)	(50)	(49)	(50)
Degeneration	1 [3.0]	1 [3.0]		
Cornea, Inflammation, Chronic	1 [2.0]			1 [2.0]
Retrolbulbar, Inflammation, Chronic	1 [2.0]			
Harderian Gland	(49)	(50)	(50)	(50)
Fibrosis				1 [2.0]
Hyperplasia, Focal	7 [1.9]	4 [1.5]	3 [1.7]	5 [1.4]
URINARY SYSTEM				
Kidney	(50)	(50)	(50)	(50)
Hydronephrosis	1 [3.0]	1 [3.0]		
Hyperplasia, Lymphoid	1 [2.0]			
Infarct	2 [2.0]	1 [1.0]	1 [2.0]	
Infiltration Cellular, Lymphoid		1 [3.0]		
Metaplasia, Osseous	1 [1.0]	1 [1.0]	1 [1.0]	1 [1.0]
Mineralization	6 [1.0]	5 [1.0]	1 [1.0]	3 [1.0]
Nephropathy	35 [1.1]	23 [1.0]	28 [1.0]	38 [1.1]
Arteriole, Inflammation, Chronic		1 [1.0]		
Artery, Inflammation, Chronic	1 [2.0]			
Glomerulus, Amyloid Deposition				1 [4.0]
Renal Tubule, Accumulation, Hyaline	1 [2.0]	2 [2.5]		

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B6C3F1 MICE FEMALE	0 MG/KG	20 MG/KG	40 MG/KG	80 MG/KG
Droplet				
Renal Tubule, Cyst				1 [1.0]
Urinary Bladder	(50)	(50)	(50)	(50)
Artery, Inflammation, Chronic				1 [3.0]

*** END OF REPORT ***

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