

TDMS No. 99017 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 10/23/2008

Time Report Requested: 13:20:12

First Dose M/F: 08/18/03 / 08/18/03

Lab: BNW

F1_M3

C Number: C99017
Lock Date: 08/01/2006
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.0.0

B6C3F1 MICE MALE	CONTROL	16 PPM	31 PPM	62.5 PPM
Disposition Summary				
Animals Initially in Study	50	50	50	50
Early Deaths				
Moribund Sacrifice	15	10	12	11
Natural Death	4	2	6	2
Survivors				
Terminal Sacrifice	31	38	32	37
Animals Examined Microscopically	50	50	50	50
ALIMENTARY SYSTEM				
Gallbladder	(36)	(42)	(41)	(38)
Degeneration, Hyaline		1 (2%)	1 (2%)	
Inflammation, Suppurative		1 (2%)		
Intestine Large, Cecum	(50)	(50)	(50)	(50)
Hemorrhage			1 (2%)	
Inflammation, Chronic Active	1 (2%)			
Intestine Large, Colon	(50)	(50)	(50)	(50)
Inflammation, Chronic Active			1 (2%)	
Intestine Large, Rectum	(50)	(50)	(50)	(50)
Inflammation, Chronic Active				1 (2%)
Serosa, Fibrosis	1 (2%)			
Intestine Small, Duodenum	(49)	(50)	(50)	(50)
Inflammation, Chronic Active	1 (2%)	1 (2%)		
Intestine Small, Ileum	(50)	(50)	(50)	(50)
Inflammation, Chronic Active	1 (2%)	2 (4%)	1 (2%)	
Peyer's Patch, Hyperplasia, Lymphoid			1 (2%)	
Intestine Small, Jejunum	(50)	(50)	(50)	(50)
Inflammation, Chronic Active			1 (2%)	
Peyer's Patch, Hyperplasia, Lymphoid		1 (2%)	1 (2%)	
Liver	(50)	(50)	(50)	(50)
Angiectasis	1 (2%)			
Basophilic Focus	5 (10%)	13 (26%)	10 (20%)	8 (16%)
Clear Cell Focus	5 (10%)	5 (10%)	7 (14%)	2 (4%)
Congestion	2 (4%)			
Degeneration, Fatty	2 (4%)			
Eosinophilic Focus	2 (4%)	8 (16%)	6 (12%)	7 (14%)
Fibrosis			1 (2%)	
Hemorrhage	1 (2%)		1 (2%)	
Inflammation, Chronic Active			1 (2%)	
Mixed Cell Focus		4 (8%)	1 (2%)	5 (10%)
Necrosis	4 (8%)	1 (2%)	4 (8%)	3 (6%)

B6C3F1 MICE MALE	CONTROL	16 PPM	31 PPM	62.5 PPM
Tension Lipidosis	1 (2%)	6 (12%)	2 (4%)	3 (6%)
Thrombosis	1 (2%)		1 (2%)	
Mesentery	(10)	(6)	(4)	(8)
Inflammation, Chronic Active	2 (20%)	1 (17%)	1 (25%)	1 (13%)
Fat, Fibrosis			1 (25%)	
Fat, Necrosis	5 (50%)	4 (67%)	1 (25%)	4 (50%)
Pancreas	(50)	(50)	(49)	(50)
Atrophy	1 (2%)	1 (2%)	1 (2%)	
Cyst	1 (2%)	1 (2%)		
Cytoplasmic Alteration				1 (2%)
Salivary Glands	(50)	(50)	(50)	(50)
Artery, Inflammation, Chronic				1 (2%)
Stomach, Forestomach	(50)	(50)	(50)	(50)
Hyperplasia, Squamous	3 (6%)	4 (8%)	6 (12%)	4 (8%)
Inflammation	2 (4%)	2 (4%)		
Ulcer			1 (2%)	1 (2%)
Stomach, Glandular	(50)	(50)	(50)	(50)
Hyperplasia			3 (6%)	
Inflammation			1 (2%)	
Mineralization			1 (2%)	
Necrosis		1 (2%)		
Glands, Ectasia	1 (2%)			
Tooth	(6)	(6)	(8)	(5)
Dentine, Malformation	4 (67%)	2 (33%)	5 (63%)	5 (100%)

CARDIOVASCULAR SYSTEM

Blood Vessel	(0)	(1)	(0)	(1)
Media, Hypertrophy				1 (100%)
Heart	(50)	(50)	(50)	(50)
Angiectasis			1 (2%)	
Cardiomyopathy		1 (2%)	8 (16%)	1 (2%)
Artery, Inflammation				4 (8%)
Atrium, Thrombosis		2 (4%)	1 (2%)	

ENDOCRINE SYSTEM

Adrenal Cortex	(50)	(50)	(50)	(50)
Accessory Adrenal Cortical Nodule			3 (6%)	
Hyperplasia	10 (20%)	12 (24%)	4 (8%)	5 (10%)
Hypertrophy	37 (74%)	31 (62%)	26 (52%)	26 (52%)
Mineralization			1 (2%)	
Vacuolization Cytoplasmic		1 (2%)	1 (2%)	
Subcapsular, Hyperplasia		1 (2%)		

B6C3F1 MICE MALE	CONTROL	16 PPM	31 PPM	62.5 PPM
Adrenal Medulla	(50)	(50)	(50)	(50)
Hyperplasia		1 (2%)		
Hypertrophy			1 (2%)	1 (2%)
Islets, Pancreatic	(50)	(50)	(49)	(50)
Hyperplasia	2 (4%)	1 (2%)	1 (2%)	
Parathyroid Gland	(28)	(32)	(25)	(21)
Cyst		1 (3%)	1 (4%)	
Hypertrophy			1 (4%)	
Pituitary Gland	(50)	(50)	(49)	(50)
Pars Distalis, Cyst	1 (2%)	2 (4%)	3 (6%)	2 (4%)
Pars Distalis, Hyperplasia		7 (14%)	2 (4%)	6 (12%)
Thyroid Gland	(50)	(50)	(48)	(49)
Cyst		1 (2%)	2 (4%)	1 (2%)
GENERAL BODY SYSTEM				
Peritoneum	(1)	(0)	(0)	(0)
GENITAL SYSTEM				
Coagulating Gland	(0)	(1)	(0)	(0)
Epididymis	(49)	(50)	(50)	(50)
Granuloma Sperm		1 (2%)		2 (4%)
Penis	(0)	(0)	(0)	(2)
Inflammation, Suppurative				2 (100%)
Preputial Gland	(50)	(50)	(50)	(50)
Cyst	1 (2%)			
Ectasia				2 (4%)
Inflammation	2 (4%)	1 (2%)	1 (2%)	
Prostate	(50)	(50)	(50)	(49)
Inflammation				1 (2%)
Arteriole, Inflammation, Chronic				1 (2%)
Seminal Vesicle	(50)	(50)	(50)	(50)
Dilatation	1 (2%)	2 (4%)	1 (2%)	
Inflammation, Chronic Active	1 (2%)	1 (2%)		1 (2%)
Testes	(50)	(50)	(50)	(50)
Degeneration		2 (4%)	1 (2%)	
Hyperplasia, Atypical	1 (2%)			
Mineralization		1 (2%)	1 (2%)	
HEMATOPOIETIC SYSTEM				
Bone Marrow	(50)	(50)	(50)	(50)

B6C3F1 MICE MALE	CONTROL	16 PPM	31 PPM	62.5 PPM
Angiectasis			1 (2%)	1 (2%)
Lymph Node	(0)	(5)	(5)	(0)
Renal, Hyperplasia, Lymphoid			1 (20%)	
Lymph Node, Bronchial		(29)	(25)	(25)
Congestion	1 (5%)			
Lymph Node, Mandibular	(16)	(20)	(18)	(20)
Lymph Node, Mediastinal	(33)	(35)	(36)	(38)
Hematopoietic Cell Proliferation	1 (3%)			1 (3%)
Hyperplasia, Lymphoid				1 (3%)
Infiltration Cellular, Mixed Cell	1 (3%)			
Lymph Node, Mesenteric	(49)	(47)	(48)	(50)
Hematopoietic Cell Proliferation	1 (2%)		1 (2%)	1 (2%)
Hyperplasia, Lymphoid			1 (2%)	
Hyperplasia, Plasma Cell	1 (2%)	1 (2%)	1 (2%)	
Infiltration Cellular	2 (4%)	3 (6%)	1 (2%)	
Spleen	(50)	(50)	(49)	(50)
Angiectasis	1 (2%)			
Hematopoietic Cell Proliferation		2 (4%)	3 (6%)	2 (4%)
Infiltration Cellular, Histiocyte	1 (2%)			
Necrosis			1 (2%)	
Thymus	(38)	(36)	(36)	(37)
Cyst	1 (3%)		2 (6%)	2 (5%)
Hyperplasia, Lymphoid				1 (3%)
INTEGUMENTARY SYSTEM				
Skin	(50)	(50)	(49)	(50)
Inflammation		1 (2%)		3 (6%)
Ulcer	1 (2%)	3 (6%)	5 (10%)	3 (6%)
Epidermis, Hyperplasia			1 (2%)	
Hair Follicle, Congestion		1 (2%)		
Sebaceous Gland, Hyperplasia			1 (2%)	
Subcutaneous Tissue, Fibrosis			1 (2%)	
MUSCULOSKELETAL SYSTEM				
Bone	(50)	(50)	(49)	(50)
Joint, Inflammation, Chronic		1 (2%)		
Skeletal Muscle	(2)	(3)	(3)	(1)
NERVOUS SYSTEM				
Brain	(50)	(50)	(50)	(50)

B6C3F1 MICE MALE	CONTROL	16 PPM	31 PPM	62.5 PPM
Atrophy	1 (2%)			
Hydrocephalus			1 (2%)	
Meninges, Infiltration Cellular	1 (2%)			1 (2%)
Meninges, Infiltration Cellular, Mixed Cell				1 (2%)
Peripheral Nerve	(0)	(1)	(1)	(0)
RESPIRATORY SYSTEM				
Larynx	(50)	(50)	(50)	(50)
Arteriole, Infiltration Cellular, Mixed Cell				1 (2%)
Squamous Epithelium, Hyperplasia				1 (2%)
Lung	(50)	(50)	(50)	(50)
Hemorrhage	3 (6%)		2 (4%)	1 (2%)
Infiltration Cellular, Histiocyte	12 (24%)	1 (2%)	7 (14%)	3 (6%)
Thrombosis				1 (2%)
Alveolar Epithelium, Hyperplasia	3 (6%)	2 (4%)	5 (10%)	2 (4%)
Arteriole, Inflammation, Chronic Active		2 (4%)	1 (2%)	
Nose	(50)	(50)	(50)	(50)
Inflammation, Suppurative	6 (12%)	5 (10%)	6 (12%)	14 (28%)
Glands, Respiratory Epithelium, Accumulation, Hyaline Droplet	5 (10%)	5 (10%)	16 (32%)	33 (66%)
Glands, Respiratory Epithelium, Hyperplasia	42 (84%)	41 (82%)	44 (88%)	50 (100%)
Glands, Respiratory Epithelium, Inflammation, Chronic Active	6 (12%)	9 (18%)	8 (16%)	11 (22%)
Olfactory Epithelium, Accumulation, Hyaline Droplet	7 (14%)	2 (4%)	4 (8%)	6 (12%)
Olfactory Epithelium, Atrophy	9 (18%)	19 (38%)	50 (100%)	50 (100%)
Olfactory Epithelium, Necrosis		2 (4%)		
Olfactory Epithelium, Respiratory Metaplasia	14 (28%)	15 (30%)	44 (88%)	50 (100%)
Olfactory Epithelium, Ulcer		1 (2%)		
Olfactory Epithelium, Vacuolization		5 (10%)	3 (6%)	
Cytoplasmic				
Respiratory Epithelium, Accumulation, Hyaline Droplet	11 (22%)	6 (12%)	19 (38%)	30 (60%)
Respiratory Epithelium, Inflammation, Suppurative	1 (2%)			
Respiratory Epithelium, Metaplasia, Squamous	4 (8%)	7 (14%)	16 (32%)	34 (68%)
Respiratory Epithelium, Necrosis	2 (4%)	3 (6%)	3 (6%)	8 (16%)
Respiratory Epithelium, Ulcer	1 (2%)	1 (2%)	2 (4%)	4 (8%)
Respiratory Epithelium, Vacuolization		1 (2%)	3 (6%)	
Cytoplasmic				
Turbinate, Hyperostosis	5 (10%)	23 (46%)	50 (100%)	50 (100%)
Turbinate, Necrosis	1 (2%)			3 (6%)
Pleura	(1)	(0)	(0)	(0)

B6C3F1 MICE MALE	CONTROL	16 PPM	31 PPM	62.5 PPM
Trachea	(50)	(50)	(50)	(50)
SPECIAL SENSES SYSTEM				
Eye	(50)	(50)	(50)	(50)
Atrophy		1 (2%)	1 (2%)	1 (2%)
Cataract			2 (4%)	
Cornea, Hyperplasia, Squamous			1 (2%)	1 (2%)
Cornea, Inflammation, Chronic Active		2 (4%)		2 (4%)
Harderian Gland	(50)	(50)	(50)	(50)
Atrophy	1 (2%)			
Hyperplasia		1 (2%)	1 (2%)	
URINARY SYSTEM				
Kidney	(50)	(50)	(49)	(50)
Casts Granular	1 (2%)			
Cyst	4 (8%)	6 (12%)	6 (12%)	5 (10%)
Hydronephrosis	1 (2%)		1 (2%)	
Infarct	1 (2%)	4 (8%)	4 (8%)	2 (4%)
Metaplasia, Osseous	1 (2%)	2 (4%)	1 (2%)	2 (4%)
Nephropathy	44 (88%)	47 (94%)	44 (90%)	45 (90%)
Thrombosis			1 (2%)	
Artery, Inflammation, Chronic Active	1 (2%)			1 (2%)
Vein, Dilatation	1 (2%)			
Urethra	(0)	(0)	(1)	(0)
Urinary Bladder	(50)	(50)	(49)	(50)
Inflammation			1 (2%)	1 (2%)

*** END OF MALE ***

B6C3F1 MICE FEMALE	CONTROL	16 PPM	31 PPM	62.5 PPM
Disposition Summary				
Animals Initially in Study	50	50	50	50
Early Deaths				
Moribund Sacrifice	13	11	7	10
Natural Death	5	4	7	1
Survivors				
Terminal Sacrifice	32	35	36	39
Animals Examined Microscopically	50	50	50	50

ALIMENTARY SYSTEM

Esophagus	(50)	(50)	(50)	(50)
Gallbladder	(38)	(45)	(44)	(42)
Cyst				1 (2%)
Hyperplasia		1 (2%)		
Mineralization		1 (2%)		
Intestine Large, Cecum	(50)	(50)	(50)	(50)
Amyloid Deposition		1 (2%)		
Hemorrhage		1 (2%)		
Intestine Large, Rectum	(50)	(50)	(50)	(50)
Polyp, Inflammatory	1 (2%)			
Arteriole, Inflammation, Chronic Active			1 (2%)	
Intestine Small, Duodenum	(50)	(50)	(49)	(50)
Necrosis				1 (2%)
Intestine Small, Ileum	(50)	(50)	(50)	(50)
Inflammation, Chronic Active			1 (2%)	
Intestine Small, Jejunum	(50)	(50)	(50)	(50)
Liver	(50)	(50)	(50)	(50)
Angiectasis		1 (2%)	1 (2%)	
Basophilic Focus	1 (2%)	3 (6%)	6 (12%)	1 (2%)
Clear Cell Focus	1 (2%)		2 (4%)	
Cyst	1 (2%)	2 (4%)		
Degeneration, Fatty	1 (2%)	1 (2%)		
Eosinophilic Focus	4 (8%)	7 (14%)	8 (16%)	2 (4%)
Hematopoietic Cell Proliferation	2 (4%)	2 (4%)		1 (2%)
Infiltration Cellular, Lymphoid	1 (2%)			
Inflammation, Chronic Active	1 (2%)			1 (2%)
Mixed Cell Focus			2 (4%)	2 (4%)
Necrosis	1 (2%)	2 (4%)	3 (6%)	3 (6%)
Pigmentation				1 (2%)
Tension Lipidosis	5 (10%)	8 (16%)	3 (6%)	9 (18%)
Thrombosis	1 (2%)			

B6C3F1 MICE FEMALE	CONTROL	16 PPM	31 PPM	62.5 PPM
Vacuolization Cytoplasmic		1 (2%)		
Bile Duct, Hyperplasia				1 (2%)
Mesentery	(12)	(16)	(15)	(10)
Inflammation, Chronic Active		1 (6%)		
Fat, Necrosis	10 (83%)	12 (75%)	11 (73%)	6 (60%)
Oral Mucosa	(1)	(0)	(0)	(0)
Gingival, Inflammation, Suppurative	1 (100%)			
Pancreas	(50)	(50)	(50)	(50)
Atrophy	1 (2%)	3 (6%)	1 (2%)	1 (2%)
Cyst	1 (2%)	2 (4%)	2 (4%)	1 (2%)
Cytoplasmic Alteration	1 (2%)			
Salivary Glands	(49)	(50)	(50)	(50)
Necrosis		1 (2%)		
Arteriole, Inflammation, Chronic Active			1 (2%)	
Stomach, Forestomach	(50)	(50)	(50)	(50)
Hyperplasia, Squamous			4 (8%)	1 (2%)
Inflammation	2 (4%)			
Mineralization			1 (2%)	1 (2%)
Ulcer		1 (2%)		
Stomach, Glandular	(50)	(50)	(50)	(50)
Fibrosis			1 (2%)	
Mineralization		1 (2%)		
Epithelium, Degeneration, Hyaline	1 (2%)			
Tooth	(0)	(0)	(0)	(1)
CARDIOVASCULAR SYSTEM				
Blood Vessel	(2)	(0)	(1)	(0)
Aorta, Mineralization			1 (100%)	
Heart	(50)	(50)	(50)	(50)
Cardiomyopathy	5 (10%)	2 (4%)	3 (6%)	1 (2%)
Congestion			1 (2%)	
Mineralization		1 (2%)		
Artery, Inflammation		2 (4%)		1 (2%)
Capillary, Hyperplasia	2 (4%)			
ENDOCRINE SYSTEM				
Adrenal Cortex	(50)	(50)	(50)	(50)
Accessory Adrenal Cortical Nodule	2 (4%)		3 (6%)	1 (2%)
Angiectasis	1 (2%)			1 (2%)
Atrophy		1 (2%)	1 (2%)	
Hematopoietic Cell Proliferation		2 (4%)	1 (2%)	
Hemorrhage	1 (2%)			

B6C3F1 MICE FEMALE	CONTROL	16 PPM	31 PPM	62.5 PPM
Hyperplasia	5 (10%)	3 (6%)	8 (16%)	7 (14%)
Hypertrophy	10 (20%)	13 (26%)	7 (14%)	8 (16%)
Vacuolization Cytoplasmic			3 (6%)	
Adrenal Medulla	(50)	(50)	(50)	(49)
Hyperplasia				3 (6%)
Hypertrophy	1 (2%)			1 (2%)
Vacuolization Cytoplasmic			1 (2%)	
Islets, Pancreatic	(50)	(50)	(50)	(50)
Hyperplasia				1 (2%)
Parathyroid Gland	(23)	(32)	(33)	(33)
Cyst		1 (3%)	2 (6%)	
Pituitary Gland	(50)	(50)	(50)	(49)
Pars Distalis, Angiectasis	1 (2%)		4 (8%)	2 (4%)
Pars Distalis, Cyst			3 (6%)	2 (4%)
Pars Distalis, Hyperplasia	8 (16%)	15 (30%)	16 (32%)	10 (20%)
Pars Intermedia, Hemorrhage	1 (2%)			
Thyroid Gland	(50)	(50)	(50)	(50)
Cyst		2 (4%)	7 (14%)	3 (6%)
Follicular Cell, Hyperplasia	2 (4%)		1 (2%)	
GENERAL BODY SYSTEM				
Peritoneum	(0)	(0)	(0)	(1)
GENITAL SYSTEM				
Clitoral Gland	(46)	(43)	(43)	(46)
Ovary	(49)	(50)	(50)	(50)
Cyst	8 (16%)	11 (22%)	7 (14%)	9 (18%)
Hemorrhage	2 (4%)			2 (4%)
Infiltration Cellular, Histiocyte	1 (2%)			
Mineralization		1 (2%)		
Thrombosis		1 (2%)		1 (2%)
Uterus	(50)	(50)	(50)	(50)
Angiectasis	1 (2%)	1 (2%)	1 (2%)	4 (8%)
Fibrosis	1 (2%)			
Inflammation, Chronic Active	1 (2%)		2 (4%)	
Thrombosis	2 (4%)			3 (6%)
Arteriole, Inflammation, Chronic Active		1 (2%)		
Endometrium, Hyperplasia, Cystic	26 (52%)	18 (36%)	21 (42%)	27 (54%)
Vagina	(0)	(0)	(1)	(0)
Arteriole, Inflammation, Chronic Active			1 (100%)	

B6C3F1 MICE FEMALE	CONTROL	16 PPM	31 PPM	62.5 PPM
HEMATOPOIETIC SYSTEM				
Bone Marrow	(50)	(50)	(50)	(50)
Angiectasis			1 (2%)	
Myelofibrosis		1 (2%)		
Lymph Node	(5)	(6)	(11)	(5)
Iliac, Ectasia	1 (20%)			
Lumbar, Ectasia			1 (9%)	
Lumbar, Hemorrhage	1 (20%)	1 (17%)		
Lumbar, Hyperplasia, Lymphoid				1 (20%)
Renal, Hemorrhage			1 (9%)	
Lymph Node, Bronchial	(29)	(32)	(31)	(38)
Lymph Node, Mandibular	(23)	(40)	(30)	(33)
Ectasia		1 (3%)		1 (3%)
Hyperplasia, Lymphoid	2 (9%)			1 (3%)
Lymph Node, Mediastinal	(34)	(33)	(44)	(40)
Hyperplasia, Lymphoid	1 (3%)		1 (2%)	
Lymph Node, Mesenteric	(50)	(46)	(46)	(49)
Angiectasis				1 (2%)
Ectasia			1 (2%)	
Spleen	(50)	(50)	(50)	(50)
Hematopoietic Cell Proliferation	2 (4%)	4 (8%)	4 (8%)	2 (4%)
Hemorrhage			1 (2%)	
Hyperplasia, Lymphoid	2 (4%)		1 (2%)	
Necrosis			1 (2%)	
Thymus	(47)	(47)	(45)	(47)
Cyst	1 (2%)			
Hyperplasia, Lymphoid	1 (2%)	1 (2%)	1 (2%)	
INTEGUMENTARY SYSTEM				
Mammary Gland	(50)	(50)	(50)	(49)
Hyperplasia	1 (2%)	1 (2%)		1 (2%)
Skin	(50)	(50)	(50)	(50)
Inflammation	1 (2%)		3 (6%)	
Ulcer	1 (2%)	2 (4%)		
Sebaceous Gland, Hyperplasia				1 (2%)
Subcutaneous Tissue, Metaplasia, Osseous				1 (2%)
MUSCULOSKELETAL SYSTEM				
Bone	(49)	(50)	(50)	(49)
Cranium, Hyperostosis		1 (2%)	1 (2%)	

B6C3F1 MICE FEMALE	CONTROL	16 PPM	31 PPM	62.5 PPM
Joint, Hyperostosis Skeletal Muscle	1 (2%) (1)	(2)	(2)	(3)
NERVOUS SYSTEM				
Brain	(50)	(50)	(50)	(50)
Atrophy	2 (4%)	1 (2%)	1 (2%)	
Hydrocephalus			1 (2%)	
Hippocampus, Necrosis, Acute		1 (2%)		
Meninges, Infiltration Cellular	1 (2%)	1 (2%)		
Meninges, Infiltration Cellular, Mononuclear Cell				1 (2%)
Peripheral Nerve	(0)	(2)	(0)	(1)
Infiltration Cellular, Lymphocyte				1 (100%)
Spinal Cord	(1)	(1)	(0)	(1)
Meninges, Infiltration Cellular, Mononuclear Cell				1 (100%)
RESPIRATORY SYSTEM				
Larynx	(50)	(50)	(50)	(50)
Atypia Cellular			1 (2%)	
Hyperplasia, Squamous	1 (2%)	2 (4%)	1 (2%)	3 (6%)
Lung	(50)	(50)	(50)	(50)
Fibrosis	1 (2%)			
Hemorrhage		1 (2%)		1 (2%)
Hyperplasia, Lymphoid			1 (2%)	
Infiltration Cellular, Histiocyte	1 (2%)	2 (4%)	3 (6%)	1 (2%)
Inflammation, Suppurative	1 (2%)			
Metaplasia, Osseous	1 (2%)			
Thrombosis	1 (2%)	1 (2%)	1 (2%)	
Alveolar Epithelium, Hyperplasia		1 (2%)	3 (6%)	1 (2%)
Arteriole, Inflammation, Chronic Active				1 (2%)
Bronchiole, Degeneration, Hyaline	1 (2%)			
Nose	(50)	(49)	(50)	(50)
Inflammation, Suppurative	2 (4%)	1 (2%)	3 (6%)	9 (18%)
Glands, Respiratory Epithelium, Accumulation, Hyaline Droplet	16 (32%)	28 (57%)	45 (90%)	42 (84%)
Glands, Respiratory Epithelium, Hyperplasia	43 (86%)	45 (92%)	47 (94%)	50 (100%)
Glands, Respiratory Epithelium, Inflammation, Chronic Active	8 (16%)	11 (22%)	16 (32%)	22 (44%)
Olfactory Epithelium, Accumulation, Hyaline Droplet	11 (22%)	19 (39%)	8 (16%)	17 (34%)
Olfactory Epithelium, Atrophy	8 (16%)	29 (59%)	49 (98%)	50 (100%)

B6C3F1 MICE FEMALE	CONTROL	16 PPM	31 PPM	62.5 PPM
Olfactory Epithelium, Necrosis			2 (4%)	1 (2%)
Olfactory Epithelium, Respiratory Metaplasia	4 (8%)	15 (31%)	48 (96%)	50 (100%)
Olfactory Epithelium, Vacuolization Cytoplasmic		5 (10%)	1 (2%)	1 (2%)
Respiratory Epithelium, Accumulation, Hyaline Droplet	20 (40%)	33 (67%)	47 (94%)	29 (58%)
Respiratory Epithelium, Metaplasia, Squamous			13 (26%)	35 (70%)
Respiratory Epithelium, Necrosis	1 (2%)		6 (12%)	16 (32%)
Respiratory Epithelium, Ulcer				2 (4%)
Respiratory Epithelium, Vacuolization Cytoplasmic		2 (4%)	2 (4%)	1 (2%)
Turbinate, Hyperostosis	4 (8%)	23 (47%)	49 (98%)	50 (100%)
Turbinate, Necrosis				1 (2%)
Trachea	(50)	(50)	(50)	(50)
Metaplasia, Osseous		1 (2%)	1 (2%)	
SPECIAL SENSES SYSTEM				
Eye	(50)	(50)	(50)	(50)
Atrophy				1 (2%)
Cataract			1 (2%)	
Arteriole, Thrombosis	1 (2%)			
Cornea, Hyperplasia, Squamous			1 (2%)	
Cornea, Inflammation, Chronic Active	2 (4%)			1 (2%)
Cornea, Mineralization	1 (2%)			
Harderian Gland	(50)	(50)	(50)	(50)
Hyperplasia		1 (2%)	2 (4%)	
URINARY SYSTEM				
Kidney	(50)	(50)	(50)	(50)
Amyloid Deposition	1 (2%)			
Cyst		1 (2%)	1 (2%)	
Hydronephrosis				1 (2%)
Infarct	2 (4%)	2 (4%)	4 (8%)	6 (12%)
Metaplasia, Osseous	8 (16%)	3 (6%)	1 (2%)	4 (8%)
Nephropathy	39 (78%)	40 (80%)	43 (86%)	46 (92%)
Renal Tubule, Necrosis		1 (2%)		
Renal Tubule, Pigmentation, Bile				1 (2%)
Urinary Bladder	(50)	(50)	(49)	(50)
Inflammation		1 (2%)		

TDMS No. 99017 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 10/23/2008

Time Report Requested: 13:20:12

First Dose M/F: 08/18/03 / 08/18/03

Lab: BNW

B6C3F1 MICE FEMALE	CONTROL	16 PPM	31 PPM	62.5 PPM
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*** END OF REPORT ***