

TDMS No. 97008 - 06

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

Date Report Reqsted: 07/11/2006

Test Type: CHRONIC

PROPARGYL ALCOHOL

Time Report Reqsted: 13:00:41

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 107-19-7

First Dose M/F: 09/17/01 / 09/17/01

Species/Strain: MICE/B6C3F1

Lab: BNW

F1_M3

C Number: C97008

Lock Date: 08/16/2004

Cage Range: ALL

Date Range: ALL

Reasons For Removal: ALL

Removal Date Range: ALL

Treatment Groups: Include ALL

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Lab: BNW

B6C3F1 MICE MALE	CONTROL	8 PPM	16 PPM	32 PPM
Disposition Summary				
Animals Initially in Study	50	50	50	50
Early Deaths				
Accidentally Killed		1		
Moribund Sacrifice	9	6	6	7
Natural Death	4		4	1
Survivors				
Natural Death		1		
Terminal Sacrifice	37	42	40	42
Animals Examined Microscopically	50	50	50	50
ALIMENTARY SYSTEM				
Gallbladder	(40)	(41)	(40)	(44)
Hyperplasia	1 [1.0]			
Intestine Large, Cecum	(49)	(50)	(48)	(50)
Intestine Small, Ileum	(48)	(50)	(46)	(49)
Infiltration Cellular, Mixed Cell		1 [2.0]		
Intestine Small, Jejunum	(48)	(50)	(46)	(49)
Peyer's Patch, Hyperplasia		1 [4.0]		
Liver	(49)	(50)	(49)	(50)
Angiectasis				1 [2.0]
Basophilic Focus	5 [2.6]	8 [2.4]	5 [3.0]	5 [2.6]
Clear Cell Focus	18 [2.2]	11 [2.2]	13 [2.3]	4 [2.0]
Eosinophilic Focus	3 [2.0]	3 [3.3]	2 [2.0]	3 [2.0]
Hyperplasia, Regenerative	1 [4.0]			
Infarct	1	1	1	1
Inflammation, Chronic	1 [3.0]	1 [3.0]		
Mixed Cell Focus	1 [3.0]		1 [3.0]	1
Necrosis	3 [4.0]	2 [3.0]	2 [3.0]	1 [1.0]
Tension Lipidosis	1 [1.0]	4 [1.5]	3 [1.0]	3 [1.7]
Thrombosis	1 [4.0]			
Vacuolization Cytoplasmic, Focal			1 [3.0]	
Bile Duct, Hyperplasia, Adenomatous		1 [4.0]		
Mesentery	(3)	(3)	(2)	(4)
Fat, Necrosis	3 [2.0]	3 [2.0]	2 [2.0]	4 [2.0]
Pancreas	(49)	(50)	(49)	(50)

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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Lab: BNW

B6C3F1 MICE MALE	CONTROL	8 PPM	16 PPM	32 PPM
Atrophy	1 [4.0]		2 [3.5]	2 [3.5]
Basophilic Focus				1 [2.0]
Duct, Cyst	1 [4.0]		1 [4.0]	
Duct, Hyperplasia, Adenomatous		1 [4.0]		
Salivary Glands	(50)	(50)	(50)	(50)
Atrophy				1 [1.0]
Stomach, Forestomach	(50)	(50)	(49)	(50)
Hyperplasia, Squamous	3 [1.7]	1 [2.0]	2 [2.5]	6 [2.8]
Inflammation, Chronic Active	2 [1.5]		2 [1.0]	4 [2.3]
Ulcer		1 [3.0]		
Stomach, Glandular	(49)	(50)	(49)	(50)
Infiltration Cellular, Mixed Cell		1 [2.0]		
Mineralization			2 [1.5]	
Tooth	(3)	(4)	(5)	(2)
Inflammation, Chronic Active			1 [4.0]	
Malformation	1 [3.0]			
CARDIOVASCULAR SYSTEM				
Heart	(50)	(50)	(50)	(50)
Cardiomyopathy	5 [1.0]	9 [1.0]	8 [1.1]	9 [1.1]
Inflammation, Suppurative			1 [4.0]	
Thrombosis		1 [3.0]	1 [4.0]	
ENDOCRINE SYSTEM				
Adrenal Cortex	(49)	(50)	(49)	(50)
Hyperplasia	12 [2.0]	16 [1.9]	9 [2.0]	13 [2.0]
Hypertrophy	24 [1.8]	24 [1.9]	22 [2.0]	18 [1.9]
Subcapsular, Hyperplasia	1 [3.0]			
Adrenal Medulla	(47)	(50)	(49)	(50)
Hyperplasia	2 [2.5]	3 [2.3]		3 [2.7]
Islets, Pancreatic	(49)	(50)	(49)	(50)
Hyperplasia		2 [2.0]		
Pituitary Gland	(47)	(50)	(50)	(49)
Pars Distalis, Hyperplasia	1 [3.0]	2 [2.5]	2 [2.5]	2 [3.0]
Thyroid Gland	(49)	(50)	(50)	(50)
Follicular Cell, Hyperplasia	17 [1.8]	22 [2.2]	14 [1.8]	8 [2.1]

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Lab: BNW

B6C3F1 MICE MALE	CONTROL	8 PPM	16 PPM	32 PPM
GENERAL BODY SYSTEM				
Peritoneum	(1)	(0)	(0)	(0)
GENITAL SYSTEM				
Epididymis	(50)	(50)	(50)	(50)
Angiectasis		1 [3.0]		
Granuloma Sperm		1 [1.0]	1 [1.0]	1 [4.0]
Preputial Gland	(50)	(50)	(50)	(50)
Abscess		1 [4.0]		
Inflammation, Chronic Active			1 [4.0]	2 [3.5]
Prostate	(50)	(50)	(50)	(49)
Inflammation, Suppurative		3 [3.0]	1 [4.0]	
Seminal Vesicle	(48)	(50)	(50)	(50)
Inflammation, Suppurative		2 [2.5]	1 [4.0]	
Testes	(50)	(50)	(50)	(50)
Atrophy		1 [3.0]	1 [3.0]	1 [3.0]
Germinal Epithelium, Degeneration		1 [2.0]		
HEMATOPOIETIC SYSTEM				
Bone Marrow	(50)	(50)	(50)	(50)
Angiectasis	1 [3.0]		1 [2.0]	1 [3.0]
Lymph Node	(1)	(1)	(0)	(0)
Lymph Node, Bronchial	(37)	(35)	(30)	(33)
Lymph Node, Mandibular	(32)	(33)	(25)	(30)
Lymph Node, Mediastinal	(39)	(33)	(38)	(36)
Lymph Node, Mesenteric	(49)	(50)	(48)	(49)
Hyperplasia, Lymphoid	1 [4.0]			
Infiltration Cellular, Mixed Cell		1 [3.0]		
Necrosis	1 [1.0]			
Spleen	(49)	(50)	(49)	(50)
Hematopoietic Cell Proliferation		4 [3.3]	2 [3.0]	
Thymus	(47)	(49)	(42)	(49)
Cyst				1 [2.0]
INTEGUMENTARY SYSTEM				

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B6C3F1 MICE MALE	CONTROL	8 PPM	16 PPM	32 PPM
Skin	(50)	(50)	(50)	(50)
Cyst Epithelial Inclusion		1 [2.0]		
Edema		1 [3.0]		
Inflammation, Chronic Active	8 [3.4]	3 [3.7]	3 [3.0]	5 [3.2]
MUSCULOSKELETAL SYSTEM				
Bone	(50)	(50)	(50)	(50)
Fracture		1		
Hyperostosis		1 [2.0]		
Skeletal Muscle	(1)	(1)	(0)	(0)
Inflammation, Suppurative		1 [3.0]		
NERVOUS SYSTEM				
Brain	(50)	(50)	(50)	(50)
RESPIRATORY SYSTEM				
Lung	(50)	(50)	(50)	(50)
Inflammation, Chronic Active		2 [3.0]		
Metaplasia, Squamous		1 [4.0]		
Thrombosis	1 [1.0]			
Alveolar Epithelium, Hyperplasia	4 [3.3]	4 [2.5]	5 [1.8]	7 [1.7]
Alveolus, Infiltration Cellular, Histiocyte	4 [3.0]	2 [3.5]	2 [3.5]	2 [3.5]
Bronchiole, Goblet Cell, Hyperplasia		1 [4.0]		
Bronchiole, Hyperplasia		1 [2.0]	2 [1.0]	
Nose	(49)	(50)	(50)	(50)
Inflammation, Suppurative	2 [1.0]	16 [1.0]	25 [1.2]	50 [1.9]
Glands, Respiratory Epithelium, Hyperplasia	17 [1.0]	29 [1.6]	40 [1.8]	50 [2.2]
Glands, Necrosis			1 [3.0]	
Olfactory Epithelium, Atrophy		3 [1.0]	21 [1.2]	33 [2.2]
Olfactory Epithelium, Metaplasia, Respiratory	5 [1.2]		7 [1.3]	16 [1.8]
Olfactory Epithelium, Necrosis		1 [1.0]		
Respiratory Epithelium, Hyperplasia	1 [1.0]	49 [2.0]	49 [2.4]	50 [2.3]
Respiratory Epithelium, Metaplasia, Squamous	2 [1.0]	11 [1.0]	36 [1.3]	50 [2.4]
Respiratory Epithelium, Necrosis			2 [2.0]	

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B6C3F1 MICE MALE	CONTROL	8 PPM	16 PPM	32 PPM
Turbinate, Atrophy		50 [1.5]	49 [2.6]	50 [3.2]
SPECIAL SENSES SYSTEM				
Eye	(49)	(50)	(48)	(49)
Cataract			1 [2.0]	2 [2.0]
Degeneration		1 [4.0]		
Phthisis Bulbi	1			
Cornea, Epithelium, Hyperplasia			2 [2.0]	
Cornea, Fibrosis	2 [1.5]			2 [1.0]
Cornea, Inflammation, Chronic Active	1 [4.0]		5 [2.8]	7 [2.6]
Cornea, Ulcer	1			1
Harderian Gland	(49)	(50)	(49)	(50)
Hyperplasia	2 [2.5]	5 [2.4]	2 [3.0]	3 [1.7]
URINARY SYSTEM				
Kidney	(49)	(50)	(50)	(50)
Cyst		1 [2.0]	2 [1.5]	
Inflammation, Suppurative	1 [2.0]	2 [2.0]	1 [2.0]	
Metaplasia, Osseous	3 [1.0]	3 [1.0]	4 [1.0]	5 [1.0]
Nephropathy	46 [1.2]	47 [1.3]	47 [1.4]	46 [1.2]
Artery, Inflammation, Chronic		1 [4.0]		
Capsule, Inflammation, Chronic				1 [2.0]
Medulla, Necrosis	1 [2.0]			
Pelvis, Dilatation		2 [2.5]		
Renal Tubule, Hyperplasia			1 [1.0]	1 [1.0]
Urinary Bladder	(49)	(50)	(49)	(50)
Inflammation, Suppurative	1 [1.0]	2 [2.0]		

*** END OF MALE ***

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B6C3F1 MICE FEMALE	CONTROL	8 PPM	16 PPM	32 PPM
Disposition Summary				
Animals Initially in Study	50	50	50	50
Early Deaths				
Moribund Sacrifice	9	8	15	10
Natural Death	2	3	3	2
Survivors				
Terminal Sacrifice	39	39	32	38
Animals Examined Microscopically	50	50	50	50
ALIMENTARY SYSTEM				
Esophagus	(50)	(50)	(50)	(50)
Epithelium, Hyperplasia			1 [1.0]	
Gallbladder	(41)	(40)	(45)	(44)
Intestine Large, Cecum	(48)	(48)	(47)	(49)
Intestine Large, Rectum	(49)	(48)	(48)	(49)
Artery, Inflammation, Chronic Active		1 [3.0]		
Intestine Small, Duodenum	(49)	(47)	(48)	(48)
Peyer's Patch, Hyperplasia				1 [3.0]
Intestine Small, Ileum	(48)	(47)	(47)	(49)
Infiltration Cellular, Eosinophil		1 [3.0]		
Intestine Small, Jejunum	(48)	(47)	(47)	(48)
Liver	(50)	(50)	(50)	(50)
Angiectasis		1 [1.0]		1 [3.0]
Basophilic Focus	1 [1.0]	3 [2.0]	2 [2.5]	3 [2.0]
Clear Cell Focus	2 [2.5]	3 [2.0]	3 [1.7]	2 [2.0]
Eosinophilic Focus	6 [2.3]	7 [2.7]	3 [2.0]	
Hematopoietic Cell Proliferation	2 [1.5]		2 [2.0]	1 [2.0]
Infiltration Cellular, Mononuclear Cell			1 [2.0]	
Necrosis	2 [1.0]		2 [1.5]	2 [2.0]
Tension Lipidosis	2 [1.5]	1 [1.0]	5 [1.6]	2 [1.0]
Bile Duct, Hyperplasia				1 [2.0]
Mesentery	(9)	(13)	(7)	(5)
Inflammation, Chronic Active		1 [4.0]		1 [3.0]
Artery, Inflammation, Chronic Active	1 [4.0]			
Fat, Hemorrhage		1 [2.0]		
Fat, Necrosis	8 [2.0]	11 [2.2]	5 [2.2]	4 [2.5]

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Lab: BNW

B6C3F1 MICE FEMALE	CONTROL	8 PPM	16 PPM	32 PPM
Pancreas	(50)	(48)	(50)	(49)
Amyloid Deposition				1 [4.0]
Atrophy	1 [4.0]	1 [1.0]	1 [3.0]	2 [3.5]
Basophilic Focus		1 [2.0]		
Infiltration Cellular, Mononuclear Cell			1 [2.0]	
Inflammation, Acute		1 [4.0]		
Acinus, Degeneration		1 [2.0]		
Artery, Inflammation, Chronic Active		1 [3.0]		
Duct, Cyst		1 [4.0]		1 [3.0]
Salivary Glands	(50)	(50)	(50)	(50)
Stomach, Forestomach	(50)	(50)	(50)	(50)
Hyperplasia, Squamous	3 [1.7]	2 [2.0]	2 [1.5]	1 [3.0]
Infiltration Cellular, Mast Cell			1 [2.0]	
Inflammation, Chronic Active	1 [2.0]		2 [1.5]	
Ulcer	2 [2.0]	2 [2.5]	1 [3.0]	1 [3.0]
Artery, Inflammation, Chronic Active				1 [3.0]
Stomach, Glandular	(50)	(48)	(48)	(49)
Infiltration Cellular, Mixed Cell	1 [1.0]			1 [3.0]
Inflammation, Acute				1 [2.0]
Necrosis		1 [1.0]		
Tongue	(1)	(1)	(0)	(0)
Tooth	(0)	(0)	(1)	(0)
CARDIOVASCULAR SYSTEM				
Blood Vessel	(1)	(0)	(0)	(0)
Heart	(50)	(50)	(50)	(50)
Cardiomyopathy	2 [1.0]	5 [1.0]	7 [1.1]	3 [1.3]
Inflammation, Suppurative			1 [3.0]	
Necrosis				1 [2.0]
Thrombosis			1 [3.0]	1 [4.0]
Artery, Inflammation, Chronic Active	1 [3.0]	2 [2.0]		1 [2.0]
Capillary, Hyperplasia			1 [4.0]	
ENDOCRINE SYSTEM				
Adrenal Cortex	(49)	(50)	(50)	(50)
Hematopoietic Cell Proliferation		1 [2.0]		
Hyperplasia	6 [1.8]	2 [2.0]	2 [1.5]	5 [1.8]

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Hypertrophy	1 [1.0]	2 [2.0]	2 [2.0]	3 [2.3]
Necrosis			1 [3.0]	
Thrombosis			1 [3.0]	
Capsule, Hyperplasia				1 [3.0]
Subcapsular, Hyperplasia	1 [3.0]			
Adrenal Medulla	(48)	(46)	(50)	(50)
Hyperplasia	2 [2.0]	2 [2.0]	2 [2.0]	2 [3.0]
Islets, Pancreatic	(50)	(48)	(50)	(49)
Hyperplasia	1 [2.0]	1 [2.0]		
Pituitary Gland	(50)	(49)	(48)	(50)
Cyst, Multiple				1 [2.0]
Pars Distalis, Angiectasis	5 [2.2]	2 [2.5]		3 [3.3]
Pars Distalis, Hyperplasia	23 [2.6]	11 [2.4]	14 [2.6]	9 [2.6]
Thyroid Gland	(50)	(50)	(50)	(50)
Follicular Cell, Hyperplasia	11 [2.1]	13 [1.9]	14 [1.6]	11 [1.8]
GENERAL BODY SYSTEM				
Tissue NOS	(1)	(0)	(0)	(0)
GENITAL SYSTEM				
Ovary	(49)	(50)	(49)	(49)
Angiectasis	1 [4.0]	1 [3.0]		1 [4.0]
Cyst	10 [2.1]	13 [2.5]	15 [2.5]	9 [2.1]
Thrombosis		2 [4.0]		
Uterus	(50)	(50)	(50)	(49)
Amyloid Deposition	1 [2.0]			
Angiectasis	2 [2.0]		2 [2.5]	3 [2.3]
Inflammation, Suppurative		1 [4.0]		
Necrosis		1 [4.0]		
Endometrium, Hyperplasia, Cystic	6 [3.5]	4 [4.0]	1 [2.0]	
HEMATOPOIETIC SYSTEM				
Bone Marrow	(50)	(49)	(50)	(50)
Hyperplasia, Reticulum Cell	1 [2.0]		1 [3.0]	
Lymph Node	(9)	(4)	(5)	(4)
Deep Cervical, Ectasia			1 [4.0]	

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B6C3F1 MICE FEMALE	CONTROL	8 PPM	16 PPM	32 PPM
Iliac, Hemorrhage	1 [4.0]			
Renal, Ectasia		1 [3.0]		
Lymph Node, Bronchial	(42)	(40)	(38)	(32)
Lymph Node, Mandibular	(38)	(33)	(38)	(39)
Lymph Node, Mediastinal	(45)	(38)	(42)	(33)
Lymph Node, Mesenteric	(48)	(47)	(49)	(49)
Infiltration Cellular, Eosinophil		1 [4.0]		
Spleen	(50)	(48)	(50)	(50)
Hematopoietic Cell Proliferation	3 [3.0]	4 [3.3]	3 [3.3]	4 [3.3]
Hyperplasia, Lymphoid			1 [3.0]	
Thymus	(49)	(47)	(48)	(50)
INTEGUMENTARY SYSTEM				
Mammary Gland	(50)	(50)	(50)	(48)
Hyperplasia			1 [3.0]	
Skin	(50)	(50)	(50)	(50)
Cyst Epithelial Inclusion				1
Inflammation, Acute		1 [2.0]	1 [4.0]	
Inflammation, Chronic Active		2 [2.5]	1 [2.0]	1 [4.0]
Ulcer	1 [3.0]			
Subcutaneous Tissue, Edema		1 [3.0]		
MUSCULOSKELETAL SYSTEM				
Bone	(50)	(50)	(50)	(50)
Skeletal Muscle	(1)	(1)	(2)	(0)
NERVOUS SYSTEM				
Brain	(50)	(50)	(50)	(50)
Inflammation, Suppurative			1 [1.0]	
Artery, Inflammation, Chronic Active				1 [3.0]
Meninges, Infiltration Cellular, Mononuclear Cell	1 [2.0]			
Spinal Cord	(0)	(0)	(0)	(1)
RESPIRATORY SYSTEM				

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Larynx	(50)	(50)	(50)	(50)
Artery, Inflammation, Chronic Active				1 [3.0]
Lung	(50)	(50)	(50)	(50)
Hemorrhage	1 [1.0]			
Infiltration Cellular, Polymorphonuclear			1 [3.0]	
Inflammation, Granulomatous	1 [1.0]			
Metaplasia, Squamous			1 [2.0]	
Alveolar Epithelium, Hyperplasia	7 [1.6]	6 [1.5]	3 [1.3]	4 [1.8]
Alveolus, Infiltration Cellular, Histiocyte	1 [2.0]	1 [1.0]	2 [2.0]	2 [2.0]
Nose	(50)	(50)	(50)	(50)
Inflammation, Suppurative	1 [1.0]	4 [1.0]	35 [1.2]	45 [2.0]
Polyp, Inflammatory				1 [3.0]
Glands, Respiratory Epithelium, Hyperplasia	7 [1.1]	24 [1.2]	44 [1.7]	49 [2.1]
Olfactory Epithelium, Atrophy	2 [1.0]	5 [1.2]	31 [1.7]	29 [2.2]
Olfactory Epithelium, Metaplasia,	1 [1.0]		6 [1.7]	14 [1.9]
Respiratory				
Olfactory Epithelium, Necrosis			1 [2.0]	1 [1.0]
Respiratory Epithelium, Hyperplasia		50 [1.9]	50 [2.2]	49 [2.2]
Respiratory Epithelium, Metaplasia,		3 [1.0]	34 [1.5]	49 [2.4]
Squamous				
Turbinate, Atrophy		50 [1.5]	50 [2.7]	50 [3.5]
Pleura	(1)	(0)	(0)	(0)
SPECIAL SENSES SYSTEM				
Eye	(49)	(48)	(49)	(48)
Cataract	1 [2.0]	1 [3.0]		6 [1.8]
Degeneration	1 [4.0]			
Phthisis Bulbi				1
Cornea, Epithelium, Hyperplasia, Focal				1 [1.0]
Cornea, Inflammation, Chronic Active		1 [3.0]	2 [2.5]	10 [2.0]
Cornea, Ulcer				1
Harderian Gland	(50)	(49)	(50)	(50)
Hyperplasia	2 [1.5]	1 [3.0]	2 [2.0]	2 [1.5]
Hypertrophy				1 [2.0]
Inflammation, Granulomatous	1 [3.0]			
Necrosis	1 [3.0]			
URINARY SYSTEM				

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

PROPARGYL ALCOHOL

Time Report Requested: 13:00:41

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 107-19-7

First Dose M/F: 09/17/01 / 09/17/01

Species/Strain: MICE/B6C3F1

Lab: BNW

B6C3F1 MICE FEMALE	CONTROL	8 PPM	16 PPM	32 PPM
Kidney	(50)	(50)	(50)	(50)
Amyloid Deposition				2 [4.0]
Infiltration Cellular, Mononuclear Cell	1 [4.0]			
Inflammation, Suppurative			1 [3.0]	
Metaplasia, Osseous	1 [1.0]	1 [1.0]		1 [1.0]
Nephropathy	20 [1.1]	19 [1.2]	19 [1.1]	24 [1.1]
Thrombosis				1 [3.0]
Artery, Inflammation, Chronic Active		1 [2.0]		
Capillary, Glomerulus, Hyperplasia			1 [3.0]	1 [2.0]
Urinary Bladder	(50)	(47)	(48)	(49)
Infiltration Cellular, Mixed Cell		1 [2.0]		
Artery, Inflammation, Chronic Active	1 [4.0]	1 [2.0]		

*** END OF REPORT ***

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)