

TDMS No. 20303 - 04

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

Date Report Requested: 08/18/2006

Test Type: 90-DAY

VINYLDENE CHLORIDE

Time Report Requested: 14:41:54

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 75-35-4

First Dose M/F: 10/11/04 / 10/11/04

Species/Strain: MICE/B6C3F1

Pathologist: THOMAS, K. - KOOISTRA, L. - HARBO, S.

Lab: BNW

F1_M3

C Number: C20303
Lock Date: 06/01/2005
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	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM
Disposition Summary					
Animals Initially in Study	10	10	10	10	10
Early Deaths					
Moribund Sacrifice					1
Natural Death					1
Survivors					
Terminal Sacrifice	10	10	10	10	8
Animals Examined Microscopically	10	10	10	10	10
ALIMENTARY SYSTEM					
Liver	(10)	(10)	(10)	(10)	(10)
Hypertrophy					1 [3.0]
Inflammation, Chronic Active		2 [1.0]	1 [1.0]	1 [1.0]	
Necrosis					2 [2.0]
CARDIOVASCULAR SYSTEM					
None					
ENDOCRINE SYSTEM					
Adrenal Cortex	(10)	(10)	(10)	(10)	(10)
Hypertrophy	1 [1.0]				
Subcapsular, Hyperplasia	7 [1.0]	7 [1.0]	4 [1.0]	2 [1.0]	3 [1.0]
GENERAL BODY SYSTEM					
None					
GENITAL SYSTEM					
Testes	(10)	(10)	(10)	(10)	(10)
Germinal Epithelium, Degeneration					2 [2.0]

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B6C3F1 MICE MALE	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM
HEMATOPOIETIC SYSTEM					
Lymph Node, Mandibular Atrophy	(5)	(0)	(0)	(0)	(5) 1 [3.0]
Lymph Node, Mesenteric Atrophy	(10)	(0)	(0)	(0)	(10) 1 [4.0]
Spleen Necrosis	(10)	(10)	(10)	(10)	1 [3.0] (10)
Spleen Lymphoid Follicle, Atrophy	(10)	(10)	(10)	(10)	2 [4.0] (10)
Thymus Necrosis	(10)	(0)	(0)	(0)	(10) 2 [3.0]
INTEGUMENTARY SYSTEM					
None					
MUSCULOSKELETAL SYSTEM					
None					
NERVOUS SYSTEM					
None					
RESPIRATORY SYSTEM					
Larynx Inflammation	(10)	(10) 1 [1.0]	(10)	(10)	(10)
Larynx Necrosis	(10)	(10)	(10)	(10)	(10)
Larynx Respiratory Epithelium, Metaplasia, Squamous	(10)	(10)	(10)	1 [1.0]	4 [1.0]
Lung Bronchiole, Epithelium, Hyperplasia	(10)	(10)	(10)	(10)	(10) 8 [1.6]
Lung Bronchiole, Epithelium, Metaplasia	(10)	(10)	(10)	(10)	1 [2.0]
Lung Bronchus, Epithelium, Hyperplasia	(10)	(10)	(10)	(10)	1 [2.0]
Lung Bronchus, Epithelium, Metaplasia	(10)	(10)	(10)	(10)	1 [2.0]

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B6C3F1 MICE MALE	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM
Bronchus, Epithelium, Necrosis					1 [1.0]
Nose	(10)	(10)	(10)	(10)	(10)
Inflammation, Chronic Active					1 [1.0]
Vomeranasal Organ, Inflammation					1 [1.0]
SPECIAL SENSES SYSTEM					
None					
URINARY SYSTEM					
Kidney	(10)	(10)	(10)	(10)	(10)
Infiltration Cellular, Mononuclear Cell				1 [1.0]	1 [2.0]
Nephropathy			5 [1.2]	10 [1.9]	8 [2.5]
Renal Tubule, Casts Protein					2 [4.0]
Renal Tubule, Mineralization				1 [2.0]	1 [1.0]
Renal Tubule, Necrosis					2 [4.0]
Renal Tubule, Vacuolization Cytoplasmic	10 [2.4]			10 [1.0]	8 [1.0]

*** END OF MALE ***

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Lab: BNW

B6C3F1 MICE FEMALE	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM
Disposition Summary						
Animals Initially in Study	10	10	10	10	10	10
Early Deaths						
Moribund Sacrifice						1
Natural Death						3
Survivors						
Terminal Sacrifice	10	10	10	10	10	6
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(0)	(9)
Lymphoid Tissue, Necrosis						1 [1.0]
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(0)	(8)
Lymphoid Tissue, Necrosis						1 [1.0]
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Hypertrophy						6 [2.8]
Inflammation, Chronic Active		1 [1.0]	4 [1.0]	3 [1.0]	1 [1.0]	1 [1.0]
Necrosis			1 [1.0]			4 [4.0]
Stomach, Forestomach	(10)	(0)	(0)	(0)	(0)	(10)
Hemorrhage						1 [2.0]
Stomach, Glandular	(10)	(0)	(0)	(0)	(0)	(10)
Hemorrhage						1 [2.0]
CARDIOVASCULAR SYSTEM						
Heart	(10)	(0)	(0)	(0)	(0)	(10)
Mineralization						1 [1.0]
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(10)	(10)	(10)	(10)	(10)
Subcapsular, Hyperplasia	10 [2.3]	10 [2.3]	10 [2.2]	10 [2.1]	10 [2.1]	9 [1.8]
X-zone, Vacuolization Cytoplasmic	10 [3.1]	10 [2.8]	10 [2.3]	10 [2.2]	10 [2.1]	10 [1.3]

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B6C3F1 MICE FEMALE	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland Inflammation, Chronic Active	(9) 1 [1.0]	(0)	(0)	(0)	(0)	(9)
HEMATOPOIETIC SYSTEM						
Lymph Node, Mandibular Necrosis	(7)	(0)	(0)	(0)	(0)	(6) 2 [2.0]
Lymph Node, Mesenteric Necrosis	(10)	(0)	(0)	(0)	(0)	(10) 4 [2.0]
Spleen Lymphoid Follicle, Atrophy Lymphoid Follicle, Necrosis	(10)	(10)	(10)	(10)	(10)	(10) 3 [3.0] 3 [2.0]
Thymus Necrosis	(10)	(0)	(0)	(0)	(0)	(10) 5 [2.6]
INTEGUMENTARY SYSTEM						
Mammary Gland Hyperplasia	(10)	(10)	(10)	(10) 10 [1.0]	(10) 10 [1.0]	(10) 6 [1.0]
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
Larynx	(10)	(10)	(10)	(10)	(9)	(10)

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B6C3F1 MICE FEMALE	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM
Exudate						2 [1.0]
Inflammation						3 [1.0]
Necrosis						4 [1.0]
Respiratory Epithelium, Hyperplasia						8 [1.4]
Respiratory Epithelium, Metaplasia, Squamous	1 [1.0]		1 [2.0]	3 [1.3]	9 [1.8]	7 [2.4]
Squamous Epithelium, Hyperplasia						8 [1.3]
Lung	(10)	(10)	(10)	(10)	(10)	(10)
Infiltration Cellular, Mixed Cell	1 [1.0]					6 [1.7]
Inflammation, Histiocytic						1 [1.0]
Metaplasia, Osseous						1 [1.0]
Artery, Hypertrophy	1 [1.0]					
Bronchiole, Epithelium, Hyperplasia				2 [1.0]	10 [2.0]	5 [2.0]
Bronchiole, Epithelium, Metaplasia						4 [2.0]
Bronchiole, Epithelium, Necrosis						1 [1.0]
Bronchus, Epithelium, Hyperplasia						1 [1.0]
Bronchus, Epithelium, Metaplasia						2 [1.5]
Bronchus, Epithelium, Necrosis						6 [2.7]
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Suppurative						1 [1.0]
Respiratory Epithelium, Necrosis						4 [2.5]
Respiratory Epithelium, Vacuolization Cytoplasmic						3 [1.7]
Squamous Epithelium, Vacuolization Cytoplasmic						2 [2.0]
Turbinates, Atrophy						4 [1.0]
Trachea	(10)	(10)	(10)	(10)	(10)	(10)
Epithelium, Hyperplasia			2 [1.0]		5 [1.0]	8 [1.8]
Epithelium, Metaplasia, Squamous					1 [1.0]	3 [1.0]
Epithelium, Necrosis	1 [1.0]	1 [1.0]				2 [1.0]
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Renal Tubule, Inflammation				1 [1.0]		

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Ureter Vacuolization Cytoplasmic	(0)	(0)	(1) 1 [3.0]	(0)	(0)	(0)

*** END OF REPORT ***

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