

Experiment Number: 20011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

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

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/18/2014

Time Report Requested: 17:04:10

First Dose M/F: NA / NA

Lab: BNW

C Number:	C20011
Lock Date:	06/13/2003
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

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First Dose M/F: NA / NA

Lab: BNW

B6C3F1 Mouse MALE	CONTROL	62.5 PPM	125 PPM	250 PPM	500 PPM
Disposition Summary					
Animals Initially In Study	10	10	10	10	10
Early Deaths					
Accidentally Killed				1	
Moribund Sacrifice					2
Natural Death					2
Survivors					
Terminal Sacrifice	10	10	10	9	6
Animals Examined Microscopically	10	10	10	10	10
ALIMENTARY SYSTEM					
Esophagus	(10)	(0)	(0)	(10)	(10)
Gallbladder	(7)	(0)	(0)	(5)	(6)
Infiltration Cellular, Polymorphnuclr				1 [1.0]	
Vacuolization Cytoplasmic					1 [1.0]
Intestine Large, Cecum	(10)	(0)	(0)	(9)	(8)
Intestine Large, Colon	(10)	(0)	(0)	(10)	(9)
Intestine Large, Rectum	(10)	(0)	(0)	(10)	(9)
Intestine Small, Duodenum	(10)	(0)	(0)	(10)	(8)
Intestine Small, Ileum	(10)	(0)	(0)	(10)	(8)
Intestine Small, Jejunum	(10)	(0)	(0)	(10)	(8)
Liver	(10)	(10)	(10)	(10)	(10)
Eosinophilic Focus	1				
Hepatocyte, Degeneration					4 [2.5]
Inflammation, Chronic				1 [1.0]	6 [1.3]
Mineralization					5 [1.8]
Necrosis					4 [4.0]
Vacuolization Cytoplasmic					1 [1.0]
Pancreas	(10)	(0)	(0)	(9)	(10)

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 Mouse MALE	CONTROL	62.5 PPM	125 PPM	250 PPM	500 PPM
Infiltration Cellular, Polymorphnuclr					1 [2.0]
Salivary Glands	(10)	(0)	(0)	(10)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(10)	(10)
Stomach, Glandular	(10)	(0)	(0)	(10)	(10)
Necrosis					2 [2.0]
CARDIOVASCULAR SYSTEM					
Heart	(10)	(0)	(0)	(10)	(10)
Inflammation, Suppurative					1 [2.0]
ENDOCRINE SYSTEM					
Adrenal Cortex	(10)	(0)	(0)	(10)	(10)
Adrenal Medulla	(10)	(0)	(0)	(10)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(9)	(10)
Parathyroid Gland	(7)	(0)	(0)	(8)	(7)
Pituitary Gland	(10)	(0)	(0)	(9)	(9)
Thyroid Gland	(10)	(0)	(0)	(10)	(10)
GENERAL BODY SYSTEM					
None					
GENITAL SYSTEM					
Epididymis	(10)	(0)	(0)	(10)	(10)
Preputial Gland	(10)	(0)	(0)	(10)	(10)
Prostate	(10)	(0)	(0)	(10)	(9)
Seminal Vesicle	(10)	(0)	(0)	(10)	(10)
Testes	(10)	(0)	(1)	(10)	(10)
Germinal Epith, Degeneration			1 [4.0]		1 [4.0]
HEMATOPOIETIC SYSTEM					
Bone Marrow	(10)	(0)	(0)	(10)	(10)
Lymph Node, Bronchial	(7)	(0)	(0)	(5)	(7)

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B6C3F1 Mouse MALE	CONTROL	62.5 PPM	125 PPM	250 PPM	500 PPM
Lymph Node, Mandibular	(3)	(0)	(0)	(5)	(4)
Lymph Node, Mediastinal	(7)	(0)	(0)	(5)	(6)
Lymph Node, Mesenteric	(10)	(0)	(0)	(10)	(9)
Spleen	(10)	(1)	(0)	(10)	(10)
Thymus	(10)	(0)	(0)	(10)	(10)
Necrosis					2 [3.0]
INTEGUMENTARY SYSTEM					
Skin	(10)	(0)	(0)	(10)	(10)
Subcut Tiss, Hemorrhage				1 [4.0]	
MUSCULOSKELETAL SYSTEM					
Bone	(10)	(0)	(0)	(10)	(10)
NERVOUS SYSTEM					
Brain	(10)	(0)	(0)	(10)	(10)
RESPIRATORY SYSTEM					
Larynx	(10)	(10)	(10)	(10)	(9)
Necrosis					2 [1.5]
Vacuolization Cytoplasmic				1 [1.0]	3 [1.7]
Lung	(10)	(10)	(10)	(10)	(10)
Bronchiole, Autolysis					1
Bronchiole, Hyperplasia	1 [1.0]				
Bronchiole, Necrosis				1 [2.0]	3 [2.0]
Bronchiole, Regeneration	3 [1.0]	3 [1.0]	4 [1.0]	7 [1.0]	5 [1.0]
Bronchiole, Vacuolization Cytoplasmic				1 [3.0]	4 [2.5]
Inflammation, Acute		2 [1.0]			
Nose	(10)	(10)	(10)	(10)	(10)
Glands, Necrosis					1 [2.0]
Olfactory Epi, Necrosis					2 [2.5]

a - Number of animals examined microscopically at site and number of animals with lesion

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B6C3F1 Mouse MALE	CONTROL	62.5 PPM	125 PPM	250 PPM	500 PPM
Respirat Epith, Necrosis					2 [1.5]
Respirat Epith, Vacuolization Cytoplasmic				1 [3.0]	4 [3.0]
Trachea	(10)	(10)	(10)	(10)	(10)
Hyperplasia					2 [1.0]
Necrosis				1 [2.0]	
Vacuolization Cytoplasmic				1 [3.0]	4 [1.0]
SPECIAL SENSES SYSTEM					
Eye	(10)	(0)	(0)	(10)	(10)
Harderian Gland	(10)	(0)	(0)	(9)	(10)
Hyperplasia	1 [3.0]				
URINARY SYSTEM					
Kidney	(10)	(0)	(0)	(10)	(10)
Renal Tubule, Regeneration				1 [1.0]	1 [1.0]
Urinary Bladder	(9)	(0)	(0)	(10)	(9)

END OF MALE DATA

a - Number of animals examined microscopically at site and number of animals with lesion

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First Dose M/F: NA / NA

Lab: BNW

B6C3F1 Mouse FEMALE	CONTROL	62.5 PPM	125 PPM	250 PPM	500 PPM
Disposition Summary					
Animals Initially In Study	10	10	10	10	10
Early Deaths					
Moribund Sacrifice					2
Natural Death					3
Survivors					
Terminal Sacrifice	10	10	10	10	5
Animals Examined Microscopically	10	10	10	10	10
ALIMENTARY SYSTEM					
Esophagus	(10)	(0)	(0)	(10)	(10)
Gallbladder	(10)	(0)	(0)	(7)	(6)
Intestine Large, Cecum	(10)	(0)	(0)	(10)	(9)
Intestine Large, Colon	(10)	(0)	(0)	(10)	(9)
Intestine Large, Rectum	(10)	(0)	(0)	(10)	(9)
Intestine Small, Duodenum	(10)	(0)	(0)	(10)	(7)
Intestine Small, Ileum	(10)	(0)	(0)	(10)	(7)
Intestine Small, Jejunum	(10)	(0)	(0)	(10)	(7)
Liver	(10)	(10)	(10)	(10)	(10)
Hepatocyte, Degeneration					5 [2.2]
Inflammation, Chronic					5 [1.8]
Mineralization					4 [1.5]
Necrosis					5 [3.6]
Tension Lipidosis	1 [1.0]				
Oral Mucosa	(1)	(0)	(1)	(0)	(0)
Pancreas	(10)	(0)	(0)	(10)	(10)
Salivary Glands	(10)	(0)	(0)	(10)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(10)	(10)
Stomach, Glandular	(10)	(0)	(0)	(10)	(10)

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B6C3F1 Mouse FEMALE	CONTROL	62.5 PPM	125 PPM	250 PPM	500 PPM
CARDIOVASCULAR SYSTEM					
Heart	(10)	(0)	(0)	(10)	(10)
ENDOCRINE SYSTEM					
Adrenal Cortex	(10)	(10)	(10)	(10)	(10)
Inflammation, Chronic					2 [2.0]
Necrosis					5 [3.4]
Adrenal Medulla	(10)	(10)	(10)	(10)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(10)	(10)
Parathyroid Gland	(6)	(0)	(0)	(7)	(5)
Pituitary Gland	(10)	(0)	(0)	(10)	(9)
Thyroid Gland	(10)	(0)	(0)	(10)	(10)
GENERAL BODY SYSTEM					
None					
GENITAL SYSTEM					
Clitoral Gland	(7)	(0)	(0)	(5)	(7)
Ovary	(10)	(0)	(0)	(10)	(10)
Uterus	(10)	(0)	(0)	(10)	(10)
HEMATOPOIETIC SYSTEM					
Bone Marrow	(10)	(0)	(0)	(10)	(10)
Lymph Node, Bronchial	(9)	(0)	(0)	(7)	(7)
Lymph Node, Mandibular	(10)	(0)	(0)	(6)	(8)
Lymph Node, Mediastinal	(7)	(0)	(0)	(3)	(4)
Lymph Node, Mesenteric	(9)	(0)	(0)	(9)	(9)
Spleen	(10)	(0)	(0)	(10)	(10)
Thymus	(10)	(0)	(0)	(10)	(10)
Necrosis					1 [3.0]
INTEGUMENTARY SYSTEM					

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B6C3F1 Mouse FEMALE	CONTROL	62.5 PPM	125 PPM	250 PPM	500 PPM
INTEGUMENTARY SYSTEM					
Mammary Gland	(10)	(0)	(0)	(10)	(10)
Skin	(9)	(0)	(0)	(10)	(10)
MUSCULOSKELETAL SYSTEM					
Bone	(10)	(0)	(0)	(10)	(10)
NERVOUS SYSTEM					
Brain	(10)	(0)	(0)	(10)	(10)
RESPIRATORY SYSTEM					
Larynx	(10)	(10)	(10)	(10)	(10)
Necrosis					1 [1.0]
Vacuolization Cytoplasmic		1 [1.0]			1 [1.0]
Lung	(10)	(10)	(10)	(10)	(10)
Bronchiole, Necrosis					5 [2.0]
Bronchiole, Regeneration	1 [1.0]	4 [1.0]	5 [1.0]	5 [1.0]	3 [1.0]
Bronchiole, Vacuolization Cytoplasmic					5 [3.2]
Hemorrhage					1 [2.0]
Nose	(10)	(10)	(10)	(10)	(10)
Olfactory Epi, Degeneration, Hyaline					1 [1.0]
Respirat Epith, Necrosis					5 [1.4]
Respirat Epith, Vacuolization Cytoplasmic					5 [3.0]
Trachea	(10)	(10)	(10)	(9)	(10)
Necrosis					2 [2.5]
Vacuolization Cytoplasmic					4 [2.0]
SPECIAL SENSES SYSTEM					
Eye	(10)	(0)	(0)	(10)	(10)
Harderian Gland	(10)	(0)	(0)	(10)	(10)
URINARY SYSTEM					

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B6C3F1 Mouse FEMALE	CONTROL	62.5 PPM	125 PPM	250 PPM	500 PPM
Kidney	(10)	(10)	(10)	(10)	(10)
Inflammation, Chronic	1 [1.0]				
Renal Tubule, Regeneration			2 [1.0]	3 [1.0]	3 [1.0]
Urinary Bladder	(10)	(0)	(0)	(10)	(10)

**** 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)