

Experiment Number: 20011-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

**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: 10/19/2014

Time Report Requested: 16:59:05

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

F 344/N Rat MALE	CONTROL	62.5 PPM	125 PPM	250 PPM	500 PPM	1000 PPM
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Survivors						
Terminal Sacrifice	10	10	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Esophagus	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(0)	(10)
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Hepatodiaphragmatic Nodule	2 [1.0]	1 [1.0]	1 [1.0]	1 [1.0]	1 [1.0]	
Vacuolization Cytoplasmic				5 [1.0]	10 [2.2]	10 [2.8]
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Glandular	(10)	(1)	(0)	(0)	(0)	(10)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(10)	(0)	(0)	(0)	(0)	(10)
Heart	(10)	(0)	(0)	(0)	(1)	(10)
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(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

F 344/N Rat MALE	CONTROL	62.5 PPM	125 PPM	250 PPM	500 PPM	1000 PPM
Islets, Pancreatic	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(10)	(0)	(0)	(0)	(0)	(9)
Pituitary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Thyroid Gland	(10)	(0)	(0)	(0)	(1)	(10)
GENERAL BODY SYSTEM						
Peritoneum	(10)	(0)	(0)	(0)	(0)	(10)
GENITAL SYSTEM						
Epididymis	(10)	(0)	(1)	(0)	(1)	(10)
Exfoliated Germ Cell			1 [3.0]		1 [4.0]	9 [1.0]
Hypospermia					1 [4.0]	
Preputial Gland	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation, Suppurative						1 [4.0]
Prostate	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Suppurative	1 [1.0]			1 [1.0]	1 [1.0]	5 [1.0]
Seminal Vesicle	(10)	(0)	(0)	(0)	(0)	(10)
Testes	(10)	(0)	(1)	(0)	(1)	(10)
Seminif Tub, Degeneration			1 [2.0]		1 [4.0]	
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node	(0)	(0)	(0)	(0)	(1)	(0)
Pancreatic, Hyperplasia, Lymphoid					1 [2.0]	
Pancreatic, Pigmentation					1 [2.0]	
Lymph Node, Mediastinal	(7)	(0)	(0)	(0)	(0)	(5)
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(10)
Spleen	(10)	(0)	(1)	(0)	(0)	(10)
Capsule, Fibrosis			1 [1.0]			
Thymus	(10)	(0)	(0)	(0)	(0)	(10)

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First Dose M/F: NA / NA

Lab: BNW

F 344/N Rat MALE	CONTROL	62.5 PPM	125 PPM	250 PPM	500 PPM	1000 PPM
INTEGUMENTARY SYSTEM						
Mammary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Skin	(10)	(0)	(0)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(0)	(0)	(10)
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(0)	(0)	(10)
RESPIRATORY SYSTEM						
Larynx	(10)	(10)	(10)	(10)	(10)	(10)
Lung	(10)	(10)	(10)	(10)	(10)	(10)
Alveolar Epith, Hyperplasia					1 [1.0]	
Alveolus, Infiltration Cellular, Histiocyte	5 [1.0]	2 [1.0]	5 [1.2]	2 [1.0]	4 [1.0]	9 [1.1]
Hemorrhage				1 [1.0]	2 [1.0]	
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Foreign Body						1 [3.0]
Inflammation, Suppurative						2 [1.5]
Olfactory Epi, Degeneration	4 [1.0]	4 [1.3]	4 [1.8]	2 [1.0]	5 [1.6]	1 [1.0]
Pleura	(10)	(0)	(0)	(0)	(0)	(10)
Trachea	(10)	(10)	(10)	(10)	(10)	(10)
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(0)	(0)	(10)
Harderian Gland	(10)	(0)	(0)	(0)	(0)	(10)
Lacrimal Gland	(0)	(0)	(0)	(0)	(1)	(0)
URINARY SYSTEM						
Kidney	(10)	(0)	(0)	(0)	(1)	(10)
Inflammation, Chronic					1 [4.0]	
Nephropathy	2 [1.0]					

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Time Report Requested: 16:59:05

First Dose M/F: NA / NA

Lab: BNW

F 344/N Rat MALE	CONTROL	62.5 PPM	125 PPM	250 PPM	500 PPM	1000 PPM
Renal Tubule, Dilatation					1 [4.0]	
Urinary Bladder	(10)	(0)	(0)	(0)	(0)	(10)

END OF MALE DATA

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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First Dose M/F: NA / NA

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F 344/N Rat FEMALE	CONTROL	62.5 PPM	125 PPM	250 PPM	500 PPM	1000 PPM
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Survivors						
Terminal Sacrifice	10	10	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Esophagus	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(0)	(10)
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Hepatocyte, Degeneration						7 [1.9]
Hepatodiaphragmatic Nodule	4 [1.8]	1 [1.0]		3 [1.0]		3
Vacuolization Cytoplasmic					10 [1.1]	10 [2.6]
Mesentery	(1)	(0)	(0)	(0)	(0)	(0)
Necrosis, Fatty	1 [3.0]					
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Glandular	(10)	(0)	(0)	(0)	(0)	(10)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(10)	(0)	(0)	(0)	(0)	(10)
Heart	(10)	(0)	(0)	(0)	(0)	(10)

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CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 16:59:06

First Dose M/F: NA / NA

Lab: BNW

F 344/N Rat FEMALE	CONTROL	62.5 PPM	125 PPM	250 PPM	500 PPM	1000 PPM
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(8)	(0)	(0)	(0)	(0)	(9)
Pituitary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
GENERAL BODY SYSTEM						
Peritoneum	(10)	(0)	(0)	(0)	(0)	(10)
GENITAL SYSTEM						
Clitoral Gland	(10)	(0)	(0)	(0)	(0)	(10)
Ovary	(10)	(0)	(0)	(0)	(10)	(10)
Cyst	1 [1.0]					3 [1.7]
Uterus	(10)	(0)	(0)	(0)	(0)	(10)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node, Bronchial	(3)	(0)	(0)	(0)	(0)	(0)
Lymph Node, Mediastinal	(6)	(0)	(0)	(0)	(0)	(8)
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(10)
Spleen	(10)	(0)	(0)	(0)	(0)	(10)
Thymus	(10)	(0)	(0)	(0)	(0)	(10)
INTEGUMENTARY SYSTEM						
Mammary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Skin	(10)	(0)	(0)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(0)	(0)	(10)

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

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F 344/N Rat FEMALE	CONTROL	62.5 PPM	125 PPM	250 PPM	500 PPM	1000 PPM
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(0)	(0)	(10)
RESPIRATORY SYSTEM						
Larynx	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Suppurative		1 [2.0]		2 [1.5]		1 [1.0]
Lung	(10)	(10)	(10)	(10)	(10)	(10)
Alveolus, Infiltration Cellular, Histiocyte	2 [1.0]	3 [1.0]	4 [1.0]	4 [1.0]	5 [1.0]	5 [1.0]
Nose	(10)	(10)	(10)	(10)	(10)	(9)
Olfactory Epi, Degeneration	6 [1.0]	7 [1.1]	8 [1.3]	9 [1.3]	8 [1.1]	5 [1.0]
Pleura	(10)	(0)	(0)	(0)	(0)	(10)
Trachea	(10)	(10)	(10)	(10)	(10)	(10)
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(0)	(0)	(10)
Harderian Gland	(10)	(0)	(0)	(0)	(0)	(10)
URINARY SYSTEM						
Kidney	(10)	(0)	(0)	(0)	(0)	(10)
Urinary Bladder	(10)	(0)	(0)	(0)	(0)	(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)