

Experiment Number: 02200-04
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

Test Compound: Styrene
CAS Number: 100-42-5

Date Report Requested: 10/18/2014
Time Report Requested: 15:25:46
First Dose M/F: NA / NA
Lab: BNW

C Number:	C02200B
Lock Date:	05/26/1992
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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Species/Strain: Mouse/B6C3F1

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					
Moribund Sacrifice				1	
Natural Death				5	
Survivors					
Terminal Sacrifice	10	10	10	4	10
Animals Examined Microscopically	10	10	10	10	10
ALIMENTARY SYSTEM					
Esophagus	(10)	(0)	(10)	(10)	(10)
Gallbladder	(8)	(0)	(8)	(8)	(10)
Intestine Large, Cecum	(10)	(0)	(10)	(10)	(10)
Intestine Large, Colon	(10)	(0)	(9)	(10)	(10)
Intestine Large, Rectum	(10)	(0)	(10)	(10)	(9)
Intestine Small, Duodenum	(10)	(0)	(10)	(8)	(10)
Intestine Small, Ileum	(10)	(0)	(10)	(9)	(10)
Intestine Small, Jejunum	(10)	(0)	(10)	(9)	(10)
Liver	(10)	(1)	(10)	(10)	(10)
Hepatocellular Adenoma					1 (10%)
Pancreas	(10)	(0)	(10)	(10)	(10)
Salivary Glands	(10)	(0)	(10)	(10)	(10)
Stomach, Forestomach	(10)	(10)	(10)	(10)	(10)
Stomach, Glandular	(10)	(10)	(10)	(10)	(10)
CARDIOVASCULAR SYSTEM					
Blood Vessel	(9)	(0)	(10)	(9)	(10)
Heart	(10)	(0)	(10)	(10)	(10)

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

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

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Lab: BNW

B6C3F1 Mouse MALE	CONTROL	62.5 PPM	125 PPM	250 PPM	500 PPM
ENDOCRINE SYSTEM					
Adrenal Cortex	(10)	(0)	(10)	(10)	(10)
Adrenal Medulla	(10)	(0)	(10)	(10)	(10)
Islets, Pancreatic	(10)	(0)	(10)	(10)	(10)
Parathyroid Gland	(4)	(0)	(7)	(4)	(5)
Pituitary Gland	(9)	(0)	(10)	(10)	(9)
Thyroid Gland	(10)	(0)	(10)	(10)	(10)
GENERAL BODY SYSTEM					
None					
GENITAL SYSTEM					
Epididymis	(10)	(0)	(10)	(10)	(10)
Preputial Gland	(10)	(0)	(10)	(10)	(10)
Prostate	(10)	(0)	(10)	(10)	(10)
Seminal Vesicle	(10)	(0)	(10)	(10)	(10)
Testes	(10)	(0)	(10)	(10)	(10)
HEMATOPOIETIC SYSTEM					
Bone Marrow	(10)	(0)	(10)	(10)	(10)
Lymph Node, Bronchial	(4)	(0)	(3)	(6)	(8)
Lymph Node, Mandibular	(7)	(0)	(9)	(9)	(8)
Lymph Node, Mediastinal	(5)	(0)	(5)	(5)	(2)
Lymph Node, Mesenteric	(10)	(0)	(9)	(9)	(9)
Spleen	(10)	(1)	(10)	(10)	(10)
Thymus	(10)	(0)	(10)	(10)	(10)
INTEGUMENTARY SYSTEM					
Skin	(10)	(0)	(10)	(10)	(9)
MUSCULOSKELETAL SYSTEM					

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B6C3F1 Mouse MALE	CONTROL	62.5 PPM	125 PPM	250 PPM	500 PPM
Bone	(10)	(0)	(10)	(10)	(10)
NERVOUS SYSTEM					
Brain	(10)	(0)	(10)	(10)	(10)
RESPIRATORY SYSTEM					
Larynx	(10)	(0)	(10)	(10)	(10)
Lung	(10)	(10)	(10)	(10)	(10)
Alveolar/Bronchiolar Adenoma		1 (10%)			
Nose	(10)	(10)	(10)	(10)	(10)
Trachea	(10)	(0)	(10)	(10)	(10)
SPECIAL SENSES SYSTEM					
None					
URINARY SYSTEM					
Kidney	(10)	(0)	(10)	(10)	(10)
Urinary Bladder	(10)	(0)	(9)	(10)	(10)

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B6C3F1 Mouse MALE	CONTROL	62.5 PPM	125 PPM	250 PPM	500 PPM
Tumor Summary for MALE					
Total Animals with Primary Neoplasms (b)		1			1
Total Primary Neoplasms		1			1
Total Animals with Benign Neoplasms		1			1
Total Benign Neoplasms		1			1
Total Animals with Malignant Neoplasms					
Total Malignant Neoplasms					
Total Animals with Metastatic Neoplasms					
Total Metastatic Neoplasms					
Total Animals with Malignant Neoplasms Uncertain Primary Site					
Total Animals with Neoplasms Uncertain - Benign or Malignant					
Total Uncertain Neoplasms					

END OF MALE DATA

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

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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					
Survivors					
Terminal Sacrifice	10	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10
ALIMENTARY SYSTEM					
Esophagus	(9)	(0)	(0)	(0)	(10)
Gallbladder	(8)	(0)	(0)	(0)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(10)
Liver	(10)	(1)	(10)	(10)	(10)
Pancreas	(10)	(0)	(0)	(0)	(10)
Salivary Glands	(10)	(0)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(10)	(10)	(10)	(10)
Stomach, Glandular	(10)	(10)	(10)	(10)	(10)
CARDIOVASCULAR SYSTEM					
Blood Vessel	(10)	(0)	(0)	(0)	(9)
Heart	(10)	(0)	(10)	(10)	(10)
ENDOCRINE SYSTEM					
Adrenal Cortex	(10)	(10)	(10)	(10)	(10)
Adrenal Medulla	(10)	(10)	(10)	(10)	(10)

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B6C3F1 Mouse FEMALE	CONTROL	62.5 PPM	125 PPM	250 PPM	500 PPM
Islets, Pancreatic	(10)	(0)	(0)	(0)	(10)
Parathyroid Gland	(4)	(0)	(0)	(0)	(7)
Pituitary Gland	(9)	(0)	(0)	(0)	(9)
Thyroid Gland	(10)	(0)	(0)	(0)	(10)
GENERAL BODY SYSTEM					
None					
GENITAL SYSTEM					
Clitoral Gland	(9)	(0)	(0)	(0)	(10)
Ovary	(10)	(0)	(0)	(1)	(10)
Uterus	(10)	(0)	(0)	(0)	(10)
HEMATOPOIETIC SYSTEM					
Bone Marrow	(10)	(0)	(0)	(0)	(10)
Lymph Node, Bronchial	(9)	(0)	(0)	(0)	(8)
Lymph Node, Mandibular	(9)	(0)	(0)	(0)	(8)
Lymph Node, Mediastinal	(2)	(0)	(0)	(0)	(2)
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(9)
Spleen	(10)	(0)	(0)	(0)	(10)
Thymus	(10)	(0)	(0)	(0)	(10)
INTEGUMENTARY SYSTEM					
Mammary Gland	(10)	(0)	(0)	(0)	(10)
Skin	(10)	(0)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM					
Bone	(10)	(0)	(0)	(0)	(10)
NERVOUS SYSTEM					
Brain	(10)	(0)	(0)	(0)	(10)

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B6C3F1 Mouse FEMALE	CONTROL	62.5 PPM	125 PPM	250 PPM	500 PPM
RESPIRATORY SYSTEM					
Larynx	(10)	(0)	(10)	(10)	(10)
Lung	(10)	(10)	(10)	(10)	(10)
Alveolar/Bronchiolar Adenoma			1 (10%)		
Nose	(10)	(10)	(10)	(10)	(10)
Trachea	(10)	(0)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM					
None					
URINARY SYSTEM					
Kidney	(10)	(0)	(0)	(0)	(10)
Urinary Bladder	(10)	(0)	(0)	(0)	(10)

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Tumor Summary for FEMALE					
Total Animals with Primary Neoplasms (b)			1		
Total Primary Neoplasms			1		
Total Animals with Benign Neoplasms			1		
Total Benign Neoplasms			1		
Total Animals with Malignant Neoplasms					
Total Malignant Neoplasms					
Total Animals with Metastatic Neoplasms					
Total Metastatic Neoplasms					
Total Animals with Malignant Neoplasms Uncertain Primary Site					
Total Animals with Neoplasms Uncertain - Benign or Malignant					
Total Uncertain Neoplasms					

**** END OF REPORT ****

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

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically