

Experiment Number: 20601 - 04

**P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS
ABRIDGED) (a)**

Date Report Requested: 12/03/2014

Test Type: CHRONIC

Antimony trioxide

Time Report Requested: 11:28:24

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 1309-64-4

First Dose M/F: 10/06/08 / 10/06/08

Species/Strain: MICE/B6C3F1

Lab: BNW

F1_53 Wk. SSAC_M3

NTP Study Number: C20601
Lock Date: 06/22/2011
Cage Range: ALL
Date Range: ALL
Reasons For Removal: 25017 SSAC
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.2.2_002
PWG Approval Date: NONE

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Species/Strain: MICE/B6C3F1

Lab: BNW

B6C3F1 MICE MALE	Control	3 mg/m3	10 mg/m3	30 mg/m3
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Disposition Summary

Animals Initially In Study	60	60	60	60
Scheduled Sacrifice	10	10	10	10
Early Deaths				
Survivors				
Animals Examined Microscopically	10	10	10	10

ALIMENTARY SYSTEM

Esophagus	(10)	(10)	(10)	(10)
Gallbladder	(8)	(10)	(9)	(9)
Intestine Large, Cecum	(10)	(10)	(10)	(10)
Intestine Large, Colon	(10)	(10)	(10)	(10)
Intestine Large, Rectum	(10)	(10)	(10)	(10)
Intestine Small, Duodenum	(10)	(10)	(10)	(10)
Intestine Small, Ileum	(10)	(10)	(10)	(10)
Intestine Small, Jejunum	(10)	(10)	(10)	(10)
Liver	(10)	(10)	(10)	(10)
Hepatocellular Adenoma	2 (20%)	2 (20%)	1 (10%)	3 (30%)
Hepatocellular Adenoma, Multiple	1 (10%)		2 (20%)	2 (20%)
Hepatocellular Carcinoma	1 (10%)	1 (10%)	1 (10%)	2 (20%)
Mesentery	(0)	(0)	(0)	(1)
Pancreas	(10)	(10)	(10)	(10)
Salivary Glands	(10)	(10)	(10)	(10)
Stomach, Forestomach	(10)	(10)	(10)	(10)
Stomach, Glandular	(10)	(9)	(10)	(10)
Tooth	(1)	(0)	(0)	(0)

CARDIOVASCULAR SYSTEM

Blood Vessel	(10)	(10)	(10)	(10)
Heart	(10)	(10)	(10)	(10)

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

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Lab: BNW

B6C3F1 MICE MALE	Control	3 mg/m3	10 mg/m3	30 mg/m3
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ENDOCRINE SYSTEM

Adrenal Cortex	(10)	(10)	(10)	(10)
Adrenal Medulla	(10)	(10)	(10)	(10)
Islets, Pancreatic	(10)	(10)	(10)	(10)
Parathyroid Gland	(6)	(7)	(5)	(8)
Pituitary Gland	(10)	(10)	(10)	(9)
Thyroid Gland	(10)	(10)	(10)	(10)

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Epididymis	(10)	(10)	(10)	(10)
Preputial Gland	(10)	(10)	(10)	(10)
Prostate	(10)	(10)	(10)	(10)
Seminal Vesicle	(10)	(10)	(10)	(10)
Testes	(10)	(10)	(10)	(10)

HEMATOPOIETIC SYSTEM

Bone Marrow	(10)	(10)	(10)	(10)
Lymph Node, Bronchial	(8)	(10)	(10)	(10)
Lymph Node, Mandibular	(5)	(4)	(4)	(4)
Lymph Node, Mediastinal	(4)	(8)	(10)	(10)
Lymph Node, Mesenteric	(10)	(10)	(10)	(10)
Spleen	(10)	(10)	(10)	(10)
Thymus	(10)	(10)	(10)	(10)

INTEGUMENTARY SYSTEM

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

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Lab: BNW

B6C3F1 MICE MALE	Control	3 mg/m3	10 mg/m3	30 mg/m3
Skin	(10)	(10)	(10)	(10)
MUSCULOSKELETAL SYSTEM				
Bone	(10)	(10)	(10)	(10)
NERVOUS SYSTEM				
Brain	(10)	(10)	(10)	(10)
RESPIRATORY SYSTEM				
Larynx	(10)	(10)	(10)	(10)
Lung	(10)	(10)	(10)	(10)
Alveolar/Bronchiolar Adenoma			2 (20%)	
Alveolar/Bronchiolar Carcinoma			1 (10%)	2 (20%)
Nose	(10)	(10)	(10)	(10)
Trachea	(10)	(10)	(10)	(10)
SPECIAL SENSES SYSTEM				
Eye	(10)	(10)	(10)	(10)
Harderian Gland	(10)	(10)	(10)	(10)
URINARY SYSTEM				
Kidney	(10)	(10)	(10)	(10)
Urinary Bladder	(10)	(10)	(10)	(10)

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

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P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)

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First Dose M/F: 10/06/08 / 10/06/08

Species/Strain: MICE/B6C3F1

Lab: BNW

B6C3F1 MICE MALE	Control	3 mg/m3	10 mg/m3	30 mg/m3
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Tumor Summary for Males

Total Animals with Primary Neoplasms (b)	3	3	7	6
Total Primary Neoplasms	4	3	7	9
Total Animals with Benign Neoplasms	3	2	5	5
Total Benign Neoplasms	3	2	5	5
Total Animals with Malignant Neoplasms	1	1	2	4
Total Malignant Neoplasms	1	1	2	4
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 ***

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

b - Primary tumors: all tumors except metastatic tumors

Test Type: CHRONIC

Antimony trioxide

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First Dose M/F: 10/06/08 / 10/06/08

Species/Strain: MICE/B6C3F1

Lab: BNW

B6C3F1 MICE FEMALE

Control

3 mg/m3

10 mg/m3

30 mg/m3

Disposition Summary

	Control	3 mg/m3	10 mg/m3	30 mg/m3
Animals Initially In Study	60	60	60	60
Scheduled Sacrifice	10	10	10	10
Early Deaths				
Survivors				
Animals Examined Microscopically	10	10	10	10

ALIMENTARY SYSTEM

Esophagus	(10)	(10)	(10)	(10)
Gallbladder	(10)	(10)	(10)	(10)
Intestine Large, Cecum	(10)	(10)	(10)	(10)
Intestine Large, Colon	(10)	(10)	(10)	(10)
Intestine Large, Rectum	(10)	(10)	(10)	(10)
Intestine Small, Duodenum	(10)	(10)	(10)	(10)
Intestine Small, Ileum	(10)	(10)	(10)	(10)
Intestine Small, Jejunum	(10)	(10)	(10)	(10)
Liver	(10)	(10)	(10)	(10)
Hepatocellular Adenoma		2 (20%)	2 (20%)	4 (40%)
Pancreas	(10)	(10)	(10)	(10)
Salivary Glands	(10)	(10)	(10)	(10)
Stomach, Forestomach	(10)	(10)	(10)	(10)
Stomach, Glandular	(10)	(10)	(10)	(10)
Tooth	(1)	(0)	(0)	(0)

CARDIOVASCULAR SYSTEM

Blood Vessel	(10)	(9)	(10)	(10)
Heart	(10)	(10)	(10)	(10)

ENDOCRINE SYSTEM

Adrenal Cortex	(10)	(10)	(10)	(10)
Adrenal Medulla	(10)	(10)	(10)	(10)

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

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Lab: BNW

B6C3F1 MICE FEMALE	Control	3 mg/m3	10 mg/m3	30 mg/m3
Pheochromocytoma Malignant				1 (10%)
Islets, Pancreatic	(10)	(10)	(10)	(10)
Parathyroid Gland	(8)	(9)	(6)	(8)
Pituitary Gland	(10)	(10)	(10)	(10)
Thyroid Gland	(10)	(9)	(10)	(10)

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Clitoral Gland	(10)	(9)	(7)	(7)
Ovary	(10)	(10)	(10)	(10)
Luteoma		1 (10%)		
Uterus	(10)	(10)	(10)	(10)

HEMATOPOIETIC SYSTEM

Bone Marrow	(10)	(10)	(10)	(10)
Lymph Node, Bronchial	(5)	(10)	(9)	(10)
Lymph Node, Mandibular	(6)	(8)	(7)	(8)
Lymph Node, Mediastinal	(4)	(7)	(8)	(10)
Lymph Node, Mesenteric	(9)	(10)	(10)	(10)
Spleen	(10)	(10)	(10)	(10)
Thymus	(10)	(9)	(10)	(9)

INTEGUMENTARY SYSTEM

Mammary Gland	(9)	(10)	(10)	(10)
Skin	(10)	(10)	(10)	(10)

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

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B6C3F1 MICE FEMALE	Control	3 mg/m3	10 mg/m3	30 mg/m3
MUSCULOSKELETAL SYSTEM				
Bone	(10)	(10)	(10)	(10)
NERVOUS SYSTEM				
Brain	(10)	(10)	(10)	(10)
RESPIRATORY SYSTEM				
Larynx	(10)	(9)	(10)	(10)
Lung	(10)	(10)	(10)	(10)
Alveolar/Bronchiolar Adenoma				1 (10%)
Nose	(10)	(10)	(10)	(10)
Trachea	(10)	(10)	(10)	(10)
SPECIAL SENSES SYSTEM				
Eye	(10)	(10)	(10)	(10)
Harderian Gland	(10)	(10)	(10)	(10)
URINARY SYSTEM				
Kidney	(10)	(10)	(10)	(10)
Urinary Bladder	(10)	(10)	(10)	(10)
SYSTEMIC LESIONS				
Multiple Organ	*(10)	*(10)	*(10)	*(10)
Histiocytic Sarcoma		1 (10%)		
Lymphoma Malignant				3 (30%)

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

* Number of animals with any tissue examined microscopically

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Lab: BNW

B6C3F1 MICE FEMALE	Control	3 mg/m3	10 mg/m3	30 mg/m3
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Tumor Summary for Females

Total Animals with Primary Neoplasms (b)		3	2	6
Total Primary Neoplasms		4	2	9
Total Animals with Benign Neoplasms		2	2	5
Total Benign Neoplasms		3	2	5
Total Animals with Malignant Neoplasms		1		4
Total Malignant Neoplasms		1		4
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