

**Experiment Number:** 20601 - 03

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

**Date Report Requested:** 10/15/2014

**Test Type:** CHRONIC

Antimony trioxide

**Time Report Requested:** 14:18:25

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**CAS Number:** 1309-64-4

**First Dose M/F:** 09/22/08 / 09/22/08

**Species/Strain:** RATS/Wistar Han

**Lab:** BNW

F1\_53 Wk. SSAC\_RE

**NTP Study Number:** C20601  
**Lock Date:** 06/13/2011  
**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: RATS/Wistar Han

Lab: BNW

Wistar Han RATS 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)
Intestine Large, Cecum	(10)	(10)	(10)	(10)
Intestine Large, Colon	(10)	(10)	(10)	(10)
Intestine Large, Rectum	(10)	(9)	(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)
Pancreas	(10)	(10)	(10)	(10)
Salivary Glands	(10)	(10)	(10)	(10)
Stomach, Forestomach	(10)	(10)	(10)	(10)
Stomach, Glandular	(10)	(10)	(10)	(10)

## CARDIOVASCULAR SYSTEM

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

## ENDOCRINE SYSTEM

Adrenal Cortex	(10)	(10)	(10)	(10)
Adrenal Medulla	(10)	(10)	(9)	(10)
Islets, Pancreatic	(10)	(10)	(10)	(10)
Parathyroid Gland	(10)	(10)	(9)	(8)
Pituitary Gland	(10)	(10)	(10)	(10)

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

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Lab: BNW

Wistar Han RATS MALE	Control	3 mg/m3	10 mg/m3	30 mg/m3
Thyroid Gland	(10)	(10)	(10)	(10)
<b>GENERAL BODY SYSTEM</b>				
None				
<b>GENITAL SYSTEM</b>				
Epididymis	(10)	(10)	(10)	(10)
Preputial Gland	(10)	(10)	(10)	(9)
Prostate	(10)	(10)	(10)	(10)
Seminal Vesicle	(10)	(10)	(10)	(10)
Testes	(10)	(10)	(10)	(10)
<b>HEMATOPOIETIC SYSTEM</b>				
Bone Marrow	(10)	(10)	(10)	(10)
Lymph Node, Bronchial	(9)	(8)	(10)	(10)
Lymph Node, Mandibular	(10)	(9)	(9)	(8)
Lymph Node, Mediastinal	(10)	(8)	(10)	(9)
Lymph Node, Mesenteric	(10)	(10)	(10)	(10)
Hemangiosarcoma				1 (10%)
Spleen	(10)	(10)	(10)	(10)
Thymus	(10)	(10)	(10)	(10)
<b>INTEGUMENTARY SYSTEM</b>				
Mammary Gland	(4)	(1)	(1)	(3)
Skin	(10)	(10)	(10)	(10)
<b>MUSCULOSKELETAL SYSTEM</b>				
Bone	(10)	(10)	(10)	(10)

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CAS Number: 1309-64-4

First Dose M/F: 09/22/08 / 09/22/08

Species/Strain: RATS/Wistar Han

Lab: BNW

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Wistar Han RATS MALE	Control	3 mg/m3	10 mg/m3	30 mg/m3
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NERVOUS SYSTEM				
Brain	(10)	(10)	(10)	(10)
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RESPIRATORY SYSTEM				
Larynx	(10)	(10)	(10)	(10)
Lung	(10)	(10)	(10)	(10)
Nose	(10)	(10)	(10)	(10)
Trachea	(10)	(10)	(10)	(10)
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SPECIAL SENSES SYSTEM				
Eye	(10)	(10)	(10)	(10)
Harderian Gland	(10)	(10)	(10)	(10)
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URINARY SYSTEM				
Kidney	(10)	(10)	(10)	(10)
Urinary Bladder	(10)	(10)	(10)	(10)

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

Experiment Number: 20601 - 03

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

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Antimony trioxide

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Species/Strain: RATS/Wistar Han

Lab: BNW

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Wistar Han RATS 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)

1

Total Primary Neoplasms

1

Total Animals with Benign Neoplasms

Total Benign Neoplasms

Total Animals with Malignant Neoplasms

1

Total Malignant Neoplasms

1

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

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\*\*\* 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

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Time Report Requested: 14:18:25

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 1309-64-4

First Dose M/F: 09/22/08 / 09/22/08

Species/Strain: RATS/Wistar Han

Lab: BNW

Wistar Han RATS FEMALE	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)	(9)	(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)
Pancreas	(10)	(10)	(10)	(10)
Salivary Glands	(10)	(10)	(10)	(10)
Stomach, Forestomach	(10)	(10)	(10)	(10)
Squamous Cell Papilloma	1 (10%)			
Stomach, Glandular	(10)	(10)	(10)	(10)

## CARDIOVASCULAR SYSTEM

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

## ENDOCRINE SYSTEM

Adrenal Cortex	(10)	(10)	(10)	(10)
Adrenal Medulla	(10)	(10)	(10)	(10)
Islets, Pancreatic	(10)	(10)	(10)	(10)
Parathyroid Gland	(10)	(8)	(8)	(10)

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

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Wistar Han RATS FEMALE	Control	3 mg/m3	10 mg/m3	30 mg/m3
Pituitary Gland	(10)	(10)	(10)	(10)
Pars Distalis, Adenoma				1 (10%)
Thyroid Gland	(10)	(10)	(10)	(10)

## GENERAL BODY SYSTEM

None

## GENITAL SYSTEM

Clitoral Gland	(10)	(10)	(10)	(10)
Ovary	(10)	(10)	(10)	(10)
Uterus	(10)	(10)	(10)	(10)
Polyp Stromal	1 (10%)	1 (10%)	2 (20%)	1 (10%)

## HEMATOPOIETIC SYSTEM

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

## INTEGUMENTARY SYSTEM

Mammary Gland	(10)	(10)	(10)	(10)
Fibroadenoma				1 (10%)
Skin	(10)	(10)	(10)	(10)

## MUSCULOSKELETAL SYSTEM

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

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Lab: BNW

Wistar Han RATS FEMALE	Control	3 mg/m3	10 mg/m3	30 mg/m3
Bone	(10)	(10)	(10)	(10)
<b>NERVOUS SYSTEM</b>				
Brain	(10)	(10)	(10)	(10)
<b>RESPIRATORY SYSTEM</b>				
Larynx	(10)	(10)	(10)	(10)
Lung	(10)	(10)	(10)	(10)
Alveolar/Bronchiolar Adenoma				1 (10%)
Nose	(10)	(10)	(10)	(10)
Trachea	(10)	(10)	(10)	(10)
<b>SPECIAL SENSES SYSTEM</b>				
Eye	(10)	(10)	(10)	(10)
Harderian Gland	(10)	(10)	(10)	(10)
<b>URINARY SYSTEM</b>				
Kidney	(10)	(10)	(10)	(10)
Urinary Bladder	(10)	(10)	(10)	(10)
<b>SYSTEMIC LESIONS</b>				
Multiple Organ	*(10)	*(10)	*(10)	*(10)
Lymphoma Malignant	1 (10%)			

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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Wistar Han RATS 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	1	2	4
Total Primary Neoplasms	3	1	2	4
Total Animals with Benign Neoplasms	2	1	2	4
Total Benign Neoplasms	2	1	2	4
Total Animals with Malignant Neoplasms	1			
Total Malignant Neoplasms	1			
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				

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\*\*\* 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