

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: 14:20:05

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\_Core\_RE

**NTP Study Number:** C20601

**Lock Date:** 06/13/2011

**Cage Range:** ALL

**Date Range:** ALL

**Reasons For Removal:** 25021 TSAC

25020 NATD

25019 MSAC

**Removal Date Range:** ALL

**Treatment Groups:** Include ALL

**Study Gender:** Both

**TDMSE Version:** 3.0.2.2\_002

**PWG Approval Date:** NONE

Test Type: CHRONIC

Antimony trioxide

Time Report Requested: 14:20:05

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 MALE	Control	3 mg/m3	10 mg/m3	30 mg/m3
----------------------	---------	---------	----------	----------

**Disposition Summary**

<b>Animals Initially In Study</b>	<b>60</b>	<b>60</b>	<b>60</b>	<b>60</b>
<b>Early Deaths</b>				
<b>Moribund Sacrifice</b>	<b>15</b>	<b>19</b>	<b>22</b>	<b>29</b>
<b>Natural Death</b>	<b>5</b>	<b>1</b>		<b>3</b>
<b>Survivors</b>				
<b>Terminal Sacrifice</b>	<b>30</b>	<b>30</b>	<b>28</b>	<b>18</b>
<b>Animals Examined Microscopically</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>

## ALIMENTARY SYSTEM

Esophagus	(50)	(50)	(50)	(50)
Intestine Large, Cecum	(49)	(50)	(50)	(49)
Intestine Large, Colon	(50)	(50)	(50)	(50)
Intestine Large, Rectum	(44)	(49)	(48)	(48)
Carcinoma			1 (2%)	
Intestine Small, Duodenum	(47)	(50)	(50)	(49)
Sarcoma, Metastatic, Tissue Nos				1 (2%)
Intestine Small, Ileum	(48)	(50)	(50)	(49)
Leiomyosarcoma			1 (2%)	
Intestine Small, Jejunum	(46)	(49)	(50)	(48)
Liver	(50)	(50)	(50)	(50)
Hepatocellular Adenoma		2 (4%)	1 (2%)	
Leiomyosarcoma, Metastatic, Intestine Small, Ileum			1 (2%)	
Mesentery	(50)	(50)	(50)	(50)
Hemangiosarcoma, Metastatic, Pancreas				1 (2%)
Leiomyosarcoma, Metastatic, Intestine Small, Ileum			1 (2%)	
Sarcoma, Metastatic, Tissue Nos				1 (2%)
Pancreas	(50)	(50)	(50)	(50)
Hemangiosarcoma				1 (2%)
Sarcoma, Metastatic, Tissue Nos				1 (2%)
Salivary Glands	(50)	(50)	(50)	(50)
Myoepithelioma	1 (2%)			

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

Test Type: CHRONIC

Antimony trioxide

Time Report Requested: 14:20:05

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 MALE	Control	3 mg/m3	10 mg/m3	30 mg/m3
Schwannoma Malignant Stomach, Forestomach	(50)	(50)	(50)	1 (2%) (50)
Sarcoma, Metastatic, Tissue Nos Stomach, Glandular	(50)	(50)	(50)	1 (2%) (50)
Tongue	(1)	(1)	(0)	(1)
Squamous Cell Papilloma		1 (100%)		
Tooth	(2)	(1)	(1)	(1)

## CARDIOVASCULAR SYSTEM

Blood Vessel	(50)	(50)	(50)	(49)
Heart	(50)	(50)	(50)	(50)
Schwannoma Malignant Endocardium, Schwannoma Nos			1 (2%)	

## ENDOCRINE SYSTEM

Adrenal Cortex	(50)	(50)	(50)	(50)
Adenoma	3 (6%)		3 (6%)	
Carcinoma			1 (2%)	
Adrenal Medulla	(49)	(50)	(49)	(50)
Ganglioneuroma		1 (2%)		
Pheochromocytoma Benign	1 (2%)		2 (4%)	7 (14%)
Pheochromocytoma Complex	1 (2%)			
Islets, Pancreatic	(50)	(50)	(50)	(49)
Adenoma		1 (2%)	4 (8%)	1 (2%)
Carcinoma				1 (2%)
Parathyroid Gland	(44)	(46)	(46)	(48)
Adenoma			1 (2%)	
Pituitary Gland	(50)	(50)	(50)	(50)
Pars Distalis, Adenoma	14 (28%)	15 (30%)	12 (24%)	5 (10%)
Pars Intermedia, Adenoma	1 (2%)			2 (4%)
Thyroid Gland	(50)	(50)	(50)	(50)
Bilateral, C-cell, Adenoma				1 (2%)
C-cell, Adenoma	5 (10%)	9 (18%)	5 (10%)	3 (6%)

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

Test Type: CHRONIC

Antimony trioxide

Time Report Requested: 14:20:05

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 MALE	Control	3 mg/m3	10 mg/m3	30 mg/m3
C-cell, Adenoma, Multiple				1 (2%)
C-cell, Carcinoma	1 (2%)	1 (2%)		
Follicular Cell, Adenoma		1 (2%)	2 (4%)	
Follicular Cell, Carcinoma		1 (2%)		
<b>GENERAL BODY SYSTEM</b>				
Tissue NOS	(0)	(1)	(0)	(1)
Sarcoma				1 (100%)
Mediastinum, Carcinoma		1 (100%)		
<b>GENITAL SYSTEM</b>				
Coagulating Gland	(0)	(0)	(0)	(1)
Epididymis	(50)	(50)	(50)	(50)
Sarcoma				1 (2%)
Preputial Gland	(50)	(50)	(50)	(50)
Prostate	(50)	(50)	(50)	(50)
Adenoma	1 (2%)	1 (2%)	2 (4%)	2 (4%)
Carcinoma		1 (2%)		
Sarcoma, Metastatic, Tissue Nos				1 (2%)
Seminal Vesicle	(50)	(50)	(50)	(50)
Adenoma			1 (2%)	
Carcinoma, Metastatic, Prostate		1 (2%)		
Hemangioma		1 (2%)		
Testes	(50)	(50)	(50)	(50)
Hemangiosarcoma	1 (2%)			
Interstitial Cell, Adenoma	6 (12%)	2 (4%)	1 (2%)	1 (2%)
<b>HEMATOPOIETIC SYSTEM</b>				
Bone Marrow	(50)	(50)	(50)	(50)
Lymph Node	(2)	(4)	(7)	(7)
Lumbar, Hemangiosarcoma		1 (25%)		

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

Test Type: CHRONIC

Antimony trioxide

Time Report Requested: 14:20:05

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 MALE	Control	3 mg/m3	10 mg/m3	30 mg/m3
Lymph Node, Bronchial	(41)	(40)	(48)	(47)
Lymph Node, Mandibular	(45)	(46)	(48)	(45)
Carcinoma, Metastatic, Thyroid Gland	1 (2%)			
Lymph Node, Mediastinal	(42)	(45)	(49)	(49)
Carcinoma, Metastatic, Thyroid Gland	1 (2%)			
Hemangioma			1 (2%)	
Lymph Node, Mesenteric	(50)	(50)	(50)	(50)
Hemangioma	1 (2%)		2 (4%)	
Hemangiosarcoma	2 (4%)	2 (4%)	4 (8%)	1 (2%)
Hemangiosarcoma, Metastatic, Pancreas				1 (2%)
Leiomyosarcoma, Metastatic, Intestine Small, Ileum			1 (2%)	
Sarcoma, Metastatic, Epididymis				1 (2%)
Spleen	(50)	(50)	(50)	(50)
Hemangiosarcoma				1 (2%)
Thymus	(41)	(35)	(47)	(45)
Thymoma Benign	3 (7%)		1 (2%)	4 (9%)
Thymoma Malignant		1 (3%)		

## INTEGUMENTARY SYSTEM

Mammary Gland	(6)	(9)	(7)	(8)
Skin	(50)	(50)	(50)	(50)
Hemangioma				1 (2%)
Keratoacanthoma	1 (2%)	1 (2%)		
Trichoepithelioma		1 (2%)		
Pinna, Neural Crest Tumor, Benign			1 (2%)	
Sebaceous Gland, Adenoma		1 (2%)		
Subcutaneous Tissue, Fibroma	2 (4%)		2 (4%)	
Subcutaneous Tissue, Fibrosarcoma				1 (2%)
Subcutaneous Tissue, Hemangiosarcoma		1 (2%)		
Subcutaneous Tissue, Schwannoma Malignant			1 (2%)	1 (2%)

## MUSCULOSKELETAL SYSTEM

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

Test Type: CHRONIC

Antimony trioxide

Time Report Requested: 14:20:05

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 MALE	Control	3 mg/m3	10 mg/m3	30 mg/m3
Bone	(50)	(50)	(50)	(50)
Maxilla, Osteosarcoma			1 (2%)	
Skeletal Muscle	(4)	(3)	(3)	(5)
Fibrosarcoma, Metastatic, Skin				1 (20%)
Sarcoma				1 (20%)
Sarcoma, Metastatic, Tissue Nos				1 (20%)

## NERVOUS SYSTEM

Brain	(50)	(50)	(50)	(50)
Glioma Malignant			1 (2%)	
Glioma Nos				1 (2%)
Granular Cell Tumor Benign	1 (2%)	1 (2%)	1 (2%)	1 (2%)
Neurocytoma			1 (2%)	
Peripheral Nerve	(3)	(3)	(2)	(0)
Spinal Cord	(3)	(3)	(1)	(0)
Glioma Nos		1 (33%)		

## RESPIRATORY SYSTEM

Larynx	(50)	(50)	(50)	(50)
Carcinoma, Metastatic, Thyroid Gland	1 (2%)			
Lung	(50)	(50)	(50)	(50)
Alveolar/Bronchiolar Adenoma	3 (6%)	3 (6%)	6 (12%)	5 (10%)
Alveolar/Bronchiolar Adenoma, Multiple		1 (2%)		3 (6%)
Alveolar/Bronchiolar Carcinoma			1 (2%)	
Carcinoma, Metastatic, Thyroid Gland	1 (2%)			
Fibrosarcoma, Metastatic, Skin				1 (2%)
Sarcoma, Metastatic, Skeletal Muscle				1 (2%)
Mediastinum, Alveolar/Bronchiolar Adenoma, Multiple				1 (2%)
Mediastinum, Alveolar/Bronchiolar Carcinoma			1 (2%)	
Mediastinum	(0)	(1)	(2)	(10)
Nose	(50)	(49)	(50)	(50)
Adenoma				1 (2%)

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

Test Type: CHRONIC

Antimony trioxide

Time Report Requested: 14:20:05

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 MALE	Control	3 mg/m3	10 mg/m3	30 mg/m3
Osteosarcoma			1 (2%)	
Turbinate, Chondroma	1 (2%)			
Trachea	(50)	(50)	(50)	(50)
Carcinoma, Metastatic, Thyroid Gland	1 (2%)			
<b>SPECIAL SENSES SYSTEM</b>				
Ear	(0)	(0)	(1)	(0)
Eye	(49)	(49)	(50)	(49)
Sarcoma				1 (2%)
Sarcoma, Metastatic, Harderian Gland		1 (2%)		
Choroid, Melanoma Benign		1 (2%)		
Harderian Gland	(50)	(50)	(50)	(50)
Sarcoma		1 (2%)		
Lacrimal Gland	(1)	(0)	(1)	(0)
<b>URINARY SYSTEM</b>				
Kidney	(50)	(50)	(50)	(50)
Carcinoma				1 (2%)
Sarcoma			1 (2%)	
Ureter	(0)	(1)	(0)	(0)
Carcinoma, Metastatic, Prostate		1 (100%)		
Urinary Bladder	(50)	(50)	(50)	(50)
Serosa, Carcinoma, Metastatic, Prostate		1 (2%)		
<b>SYSTEMIC LESIONS</b>				
Multiple Organ	*(50)	*(50)	*(50)	*(50)
Histiocytic Sarcoma				1 (2%)
Leukemia Mononuclear	1 (2%)	1 (2%)	1 (2%)	
Lymphoma Malignant			1 (2%)	
Mesothelioma Malignant				1 (2%)

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

\* Number of animals with any tissue examined microscopically

Test Type: CHRONIC

Antimony trioxide

Time Report Requested: 14:20:05

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 MALE	Control	3 mg/m3	10 mg/m3	30 mg/m3
----------------------	---------	---------	----------	----------

**Tumor Summary for Males**

Total Animals with Primary Neoplasms (b)	36	34	40	35
Total Primary Neoplasms	51	55	66	54
Total Animals with Benign Neoplasms	34	31	32	26
Total Benign Neoplasms	44	43	47	39
Total Animals with Malignant Neoplasms	6	8	17	14
Total Malignant Neoplasms	6	11	18	14
Total Animals with Metastatic Neoplasms	1	2	1	5
Total Metastatic Neoplasms	5	4	3	12
Total Animals with Malignant Neoplasms Uncertain Primary Site				
Total Animals with Neoplasms Uncertain- Benign or Malignant	1	1	1	1
Total Uncertain Neoplasms	1	1	1	1

\*\*\* 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

Time Report Requested: 14:20:05

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
------------------------	---------	---------	----------	----------

**Disposition Summary**

<b>Animals Initially In Study</b>	<b>60</b>	<b>60</b>	<b>60</b>	<b>60</b>
<b>Early Deaths</b>				
<b>Moribund Sacrifice</b>	<b>11</b>	<b>12</b>	<b>20</b>	<b>27</b>
<b>Natural Death</b>			<b>2</b>	<b>3</b>
<b>Survivors</b>				
<b>Moribund Sacrifice</b>			<b>1</b>	
<b>Natural Death</b>				<b>1</b>
<b>Terminal Sacrifice</b>	<b>39</b>	<b>38</b>	<b>27</b>	<b>19</b>
<b>Animals Examined Microscopically</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>

## ALIMENTARY SYSTEM

Esophagus	(50)	(50)	(50)	(50)
Intestine Large, Cecum	(50)	(50)	(49)	(50)
Intestine Large, Colon	(50)	(50)	(50)	(50)
Leiomyoma		1 (2%)		
Intestine Large, Rectum	(48)	(47)	(50)	(49)
Leiomyosarcoma, Metastatic, Uterus				1 (2%)
Intestine Small, Duodenum	(50)	(50)	(50)	(50)
Intestine Small, Ileum	(50)	(50)	(49)	(50)
Intestine Small, Jejunum	(50)	(50)	(49)	(49)
Leiomyoma	1 (2%)			
Leiomyosarcoma		1 (2%)	1 (2%)	
Liver	(50)	(50)	(50)	(50)
Hepatocellular Adenoma	1 (2%)	2 (4%)		
Sarcoma		1 (2%)		
Squamous Cell Carcinoma, Metastatic, Uterus	1 (2%)			
Mesentery	(50)	(50)	(50)	(50)
Leiomyosarcoma, Metastatic, Uterus				1 (2%)
Sarcoma, Metastatic, Liver		1 (2%)		
Sarcoma, Metastatic, Uterus			1 (2%)	
Squamous Cell Carcinoma, Metastatic, Uterus	1 (2%)			
Pancreas	(50)	(50)	(50)	(50)
Sarcoma, Metastatic, Liver		1 (2%)		

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

Test Type: CHRONIC

Antimony trioxide

Time Report Requested: 14:20:05

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
Sarcoma, Metastatic, Uterus			1 (2%)	
Salivary Glands	(50)	(50)	(50)	(50)
Adenoma		1 (2%)		
Stomach, Forestomach	(50)	(50)	(50)	(50)
Leiomyoma	1 (2%)			
Squamous Cell Carcinoma			1 (2%)	
Squamous Cell Papilloma				1 (2%)
Stomach, Glandular	(50)	(50)	(50)	(50)
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach			1 (2%)	
Tooth	(1)	(1)	(0)	(1)

## CARDIOVASCULAR SYSTEM

Blood Vessel	(49)	(50)	(50)	(49)
Heart	(50)	(50)	(50)	(50)
Schwannoma Malignant				1 (2%)

## ENDOCRINE SYSTEM

Adrenal Cortex	(50)	(50)	(50)	(50)
Adenoma		1 (2%)		
Adrenal Medulla	(49)	(49)	(49)	(50)
Pheochromocytoma Benign		2 (4%)	2 (4%)	6 (12%)
Pheochromocytoma Malignant				1 (2%)
Islets, Pancreatic	(50)	(50)	(50)	(50)
Parathyroid Gland	(39)	(41)	(43)	(46)
Adenoma			1 (2%)	
Pituitary Gland	(50)	(50)	(50)	(50)
Schwannoma Malignant		1 (2%)		
Pars Distalis, Adenoma	19 (38%)	22 (44%)	19 (38%)	12 (24%)
Pars Distalis, Carcinoma	1 (2%)			
Thyroid Gland	(50)	(50)	(50)	(50)
Carcinoma	1 (2%)			
C-cell, Adenoma	4 (8%)	3 (6%)	5 (10%)	2 (4%)

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

Test Type: CHRONIC

Antimony trioxide

Time Report Requested: 14:20:05

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
C-cell, Adenoma, Multiple		1 (2%)		
C-cell, Carcinoma	1 (2%)			
Follicular Cell, Adenoma	1 (2%)		2 (4%)	2 (4%)
Follicular Cell, Carcinoma	1 (2%)		1 (2%)	

## GENERAL BODY SYSTEM

None

## GENITAL SYSTEM

Clitoral Gland	(50)	(49)	(47)	(49)
Carcinoma		1 (2%)	1 (2%)	
Ovary	(50)	(49)	(50)	(50)
Adenoma	2 (4%)			1 (2%)
Cystadenoma				3 (6%)
Granulosa Cell Tumor Benign		2 (4%)		
Granulosa Cell Tumor Malignant				1 (2%)
Leiomyosarcoma, Metastatic, Uterus				1 (2%)
Luteoma				1 (2%)
Tubulostromal Adenoma	2 (4%)		1 (2%)	
Bilateral, Cystadenoma	1 (2%)			
Uterus	(50)	(50)	(50)	(50)
Adenocarcinoma	3 (6%)			2 (4%)
Adenoma				1 (2%)
Fibroma				1 (2%)
Hemangiosarcoma	1 (2%)			
Leiomyosarcoma	1 (2%)		1 (2%)	1 (2%)
Polyp Stromal	2 (4%)	9 (18%)	2 (4%)	4 (8%)
Sarcoma			1 (2%)	
Sarcoma Stromal	1 (2%)			
Squamous Cell Carcinoma, Metastatic, Uncertain Primary Site	1 (2%)			
Cervix, Carcinoma				1 (2%)
Endometrium, Adenoma			1 (2%)	

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

Test Type: CHRONIC

Antimony trioxide

Time Report Requested: 14:20:05

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
Vagina	(0)	(0)	(1)	(0)
Sarcoma, Metastatic, Uterus			1 (100%)	

## HEMATOPOIETIC SYSTEM

Bone Marrow	(50)	(50)	(50)	(50)
Lymph Node	(2)	(3)	(3)	(3)
Iliac, Leiomyosarcoma, Metastatic, Uterus				1 (33%)
Pancreatic, Sarcoma, Metastatic, Liver		1 (33%)		
Lymph Node, Bronchial	(35)	(36)	(28)	(41)
Lymph Node, Mandibular	(42)	(46)	(44)	(48)
Lymph Node, Mediastinal	(46)	(46)	(46)	(46)
Lymph Node, Mesenteric	(50)	(50)	(50)	(50)
Hemangioma			1 (2%)	1 (2%)
Spleen	(50)	(50)	(50)	(50)
Thymus	(46)	(41)	(37)	(48)
Thymoma Benign	6 (13%)	6 (15%)	6 (16%)	8 (17%)

## INTEGUMENTARY SYSTEM

Mammary Gland	(50)	(50)	(50)	(50)
Adenocarcinoma	5 (10%)	1 (2%)	4 (8%)	2 (4%)
Adenoma		2 (4%)	2 (4%)	1 (2%)
Fibroadenoma	7 (14%)	4 (8%)	8 (16%)	4 (8%)
Fibroma		1 (2%)		
Skin	(50)	(49)	(50)	(50)
Squamous Cell Carcinoma		1 (2%)		
Subcutaneous Tissue, Fibroma	2 (4%)			
Subcutaneous Tissue, Schwannoma Malignant				1 (2%)

## MUSCULOSKELETAL SYSTEM

Bone	(50)	(50)	(50)	(50)
------	------	------	------	------

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

Test Type: CHRONIC

Antimony trioxide

Time Report Requested: 14:20:05

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
Mandible, Squamous Cell Carcinoma, Metastatic, Skin		1 (2%)		
Skeletal Muscle	(2)	(1)	(2)	(7)
Leiomyosarcoma, Metastatic, Uterus				1 (14%)
Schwannoma Malignant, Metastatic, Skin				1 (14%)

## NERVOUS SYSTEM

Brain	(50)	(50)	(50)	(50)
Granular Cell Tumor Benign	1 (2%)	1 (2%)	1 (2%)	
Granular Cell Tumor Malignant	1 (2%)			
Peripheral Nerve	(2)	(1)	(2)	(2)
Spinal Cord	(2)	(1)	(2)	(2)

## RESPIRATORY SYSTEM

Larynx	(50)	(50)	(50)	(50)
Lung	(50)	(50)	(50)	(50)
Alveolar/Bronchiolar Adenoma		2 (4%)	5 (10%)	5 (10%)
Alveolar/Bronchiolar Adenoma, Multiple			1 (2%)	
Cystic Keratinizing Epithelioma				2 (4%)
Granular Cell Tumor Malignant, Metastatic, Brain	1 (2%)			
Leiomyosarcoma, Metastatic, Uterus				1 (2%)
Schwannoma Malignant, Metastatic, Heart				1 (2%)
Squamous Cell Carcinoma				1 (2%)
Mediastinum	(0)	(0)	(2)	(9)
Nose	(50)	(50)	(50)	(50)
Nerve, Granular Cell Tumor Benign			1 (2%)	
Trachea	(50)	(50)	(50)	(50)

## SPECIAL SENSES SYSTEM

Eye	(49)	(50)	(49)	(49)
Harderian Gland	(50)	(50)	(50)	(50)

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)**

Date Report Requested: 10/15/2014

Test Type: CHRONIC

Antimony trioxide

Time Report Requested: 14:20:05

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

---

URINARY SYSTEM

Kidney	(50)	(50)	(50)	(50)
Urinary Bladder	(50)	(50)	(50)	(50)
Leiomyosarcoma, Metastatic, Uterus				1 (2%)

---

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

Test Type: CHRONIC

Antimony trioxide

Time Report Requested: 14:20:05

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
------------------------	---------	---------	----------	----------

**Tumor Summary for Females**

Total Animals with Primary Neoplasms (b)	39	41	38	35
Total Primary Neoplasms	66	66	68	66
Total Animals with Benign Neoplasms	33	39	35	33
Total Benign Neoplasms	50	60	58	55
Total Animals with Malignant Neoplasms	16	6	9	10
Total Malignant Neoplasms	16	6	10	11
Total Animals with Metastatic Neoplasms	2	2	2	3
Total Metastatic Neoplasms	4	4	4	9
Total Animals with Malignant Neoplasms Uncertain Primary Site	1			
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