

Experiment Number: 20209 - 03

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH
AVERAGE SEVERITY GRADES[b]**

Date Report Requested: 08/05/2014

Test Type: CHRONIC

Pentabromodiphenyl oxide (technical) (DE 71)

Time Report Requested: 10:16:02

Route: GAVAGE

CAS Number: 32534-81-9

First Dose M/F: 08/26/08 / 08/26/08

Species/Strain: RATS/Wistar Han

Lab: SRI

F_14 Wk. SSAC_RE

NTP Study Number: C20209

Lock Date: 08/31/2011

Cage Range: ALL

Date Range: ALL

Reasons For Removal: 25017 SSAC

Removal Date Range: ALL

Treatment Groups: Include 001 0 MG/KG
Include 008 50 MG/KG

Include 002 0 MG/KG

Include 007 50 MG/KG

Study Gender: Both

TDMSE Version: 3.0.2.1_001

PWG Approval Date: NONE

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Wistar Han RATS MALE

0 MG/KG

50 MG/KG

Disposition Summary

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

ALIMENTARY SYSTEM

Esophagus	(10)	(10)
Intestine Large, Cecum	(10)	(10)
Intestine Large, Colon	(10)	(10)
Intestine Large, Rectum	(10)	(10)
Intestine Small, Duodenum	(10)	(10)
Intestine Small, Ileum	(10)	(10)
Intestine Small, Jejunum	(10)	(10)
Liver	(10)	(10)
Fatty Change	2 [1.0]	8 [1.5]
Hepatocyte, Hypertrophy		10 [3.1]
Mesentery	(0)	(1)
Fibrosis, Focal		1 [2.0]
Oral Mucosa	(0)	(1)
Pancreas	(10)	(10)
Atrophy	1 [1.0]	2 [1.0]
Salivary Glands	(10)	(10)
Stomach, Forestomach	(10)	(10)
Stomach, Glandular	(10)	(10)

CARDIOVASCULAR SYSTEM

Blood Vessel	(0)	(1)
Heart	(10)	(10)
Cardiomyopathy	1 [1.0]	

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

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50 MG/KG

ENDOCRINE SYSTEM

Adrenal Cortex	(10)	(10)
Accessory Adrenal Cortical Nodule	1 [1.0]	2 [1.0]
Vacuolization Cytoplasmic	1 [2.0]	1 [3.0]
Adrenal Medulla	(10)	(10)
Vacuolization Cytoplasmic		1 [1.0]
Islets, Pancreatic	(10)	(10)
Parathyroid Gland	(10)	(10)
Pituitary Gland	(10)	(9)
Thyroid Gland	(10)	(10)
Follicle, Hypertrophy		4 [1.3]

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Epididymis	(10)	(10)
Preputial Gland	(10)	(10)
Inflammation, Chronic	9 [1.0]	8 [1.1]
Prostate	(10)	(10)
Inflammation, Chronic	2 [1.0]	3 [1.0]
Seminal Vesicle	(10)	(10)
Testes	(10)	(10)

HEMATOPOIETIC SYSTEM

Bone Marrow	(10)	(10)
Lymph Node	(1)	(1)
Pigmentation		1 [1.0]
Lymph Node, Mandibular	(10)	(10)
Lymph Node, Mesenteric	(10)	(10)

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Wistar Han RATS MALE

0 MG/KG

50 MG/KG

Spleen	(10)	(10)
Thymus	(10)	(10)

INTEGUMENTARY SYSTEM

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

MUSCULOSKELETAL SYSTEM

Bone	(10)	(10)
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NERVOUS SYSTEM

Brain	(10)	(10)
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RESPIRATORY SYSTEM

Lung	(10)	(10)
Inflammation, Chronic	2 [1.0]	4 [1.0]
Metaplasia, Osseous		1 [1.0]
Alveolus, Infiltration Cellular, Histiocyte		1 [1.0]
Nose	(10)	(10)
Trachea	(10)	(10)

SPECIAL SENSES SYSTEM

Eye	(10)	(10)
Harderian Gland	(10)	(10)

URINARY SYSTEM

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Lab: SRI

Wistar Han RATS MALE	0 MG/KG	50 MG/KG
Kidney	(10)	(10)
Casts Protein		1 [1.0]
Hydronephrosis	1 [1.0]	3 [2.7]
Inflammation, Chronic	1 [1.0]	
Renal Tubule, Vacuolization Cytoplasmic		1 [1.0]
Urinary Bladder	(10)	(10)

*** END OF MALE ***

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Wistar Han RATS FEMALE

0 MG/KG

50 MG/KG

Disposition Summary

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

ALIMENTARY SYSTEM

Esophagus	(10)	(10)
Intestine Large, Cecum	(10)	(10)
Intestine Large, Colon	(10)	(10)
Intestine Large, Rectum	(10)	(10)
Intestine Small, Duodenum	(10)	(10)
Intestine Small, Ileum	(10)	(10)
Intestine Small, Jejunum	(10)	(10)
Liver	(9)	(10)
Fatty Change		3 [1.0]
Hepatocyte, Hypertrophy		10 [3.0]
Oral Mucosa	(1)	(0)
Pancreas	(10)	(10)
Atrophy	1 [1.0]	
Salivary Glands	(10)	(10)
Stomach, Forestomach	(10)	(10)
Stomach, Glandular	(10)	(10)

CARDIOVASCULAR SYSTEM

Blood Vessel	(1)	(0)
Heart	(10)	(10)

ENDOCRINE SYSTEM

Adrenal Cortex	(10)	(10)
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Wistar Han RATS FEMALE	0 MG/KG	50 MG/KG
Accessory Adrenal Cortical Nodule	3 [1.0]	2 [1.0]
Adrenal Medulla	(9)	(10)
Islets, Pancreatic	(10)	(10)
Parathyroid Gland	(10)	(10)
Pituitary Gland	(10)	(10)
Thyroid Gland	(10)	(10)
Follicle, Hypertrophy	1 [1.0]	5 [1.2]

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Clitoral Gland	(10)	(10)
Inflammation, Chronic	7 [1.0]	6 [1.0]
Inflammation, Chronic Active		1 [1.0]
Ovary	(10)	(10)
Uterus	(10)	(10)

HEMATOPOIETIC SYSTEM

Bone Marrow	(10)	(10)
Lymph Node	(2)	(2)
Pigmentation	1 [1.0]	
Popliteal, Pigmentation		2 [1.0]
Lymph Node, Mandibular	(10)	(10)
Hyperplasia, Lymphoid	1 [2.0]	
Lymph Node, Mesenteric	(10)	(10)
Spleen	(10)	(10)
Hematopoietic Cell Proliferation		1 [1.0]
Pigmentation		1 [1.0]
Thymus	(10)	(10)

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0 MG/KG

50 MG/KG

INTEGUMENTARY SYSTEM

Mammary Gland
Skin

(10)	(10)
(10)	(10)

MUSCULOSKELETAL SYSTEM

Bone
Skeletal Muscle

(10)	(10)
(1)	(0)

NERVOUS SYSTEM

Brain

(10)	(10)
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RESPIRATORY SYSTEM

Lung
 Inflammation, Chronic
 Metaplasia, Osseous
Nose
Trachea

(10)	(10)
	2 [1.0]
	1 [1.0]
(10)	(10)
(10)	(10)

SPECIAL SENSES SYSTEM

Eye
Harderian Gland

(10)	(10)
(10)	(10)

URINARY SYSTEM

Kidney
Urinary Bladder

(10)	(10)
(9)	(10)

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