

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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Lab: SRI

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

b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

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Wistar Han RATS MALE

0 MG/KG

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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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) |
|------|------|------|

NERVOUS SYSTEM

| | | |
|-------|------|------|
| Brain | (10) | (10) |
|-------|------|------|

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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Species/Strain: RATS/Wistar Han

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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Lab: SRI

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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Lab: SRI

| 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) |
|------|------|

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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