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### Experiment Number: 93027-11
Test Type: 90-DAY
Route: DOSED FEED
Species/Strain: Rat/HSD

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

**Test Compound:** Peroxisome project (Dibutyl phthalate)
**CAS Number:** 84-74-2

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 06:14:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

#### DAY ON TEST

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#### ALIMENTARY SYSTEM

- **Esophagus:** + + + + + + + + + + 10
- **Intestine Large, Cecum:** + + + + + + + + + + 10
- **Intestine Large, Colon:** + + + + + + + + + + 10
- **Intestine Large, Rectum:** + + + + + + + + + + 10
- **Intestine Small, Duodenum:** + + + + + + + + + + 10
- **Intestine Small, Ileum:** + + + + + + + + + + 10
- **Intestine Small, Jejunum:** + + + + + + + + + + 10
- **Liver:** + + + + + + + + + + 10
- **Pancreas:** + + + + + + + + + + 10
- **Salivary Glands:** + + + + + + + + + + 10
- **Stomach, Foregut:** + + + + + + + + + + 10
- **Stomach, Glandular:** + + + + + + + + + + 10

#### CARDIOVASCULAR SYSTEM

- **Heart:** + + + + + + + + + + 10

#### ENDOCRINE SYSTEM

- **Adrenal Cortex:** + + + + + + + + + + 10
- **Adrenal Medulla:** + + + + + + + + + + 10
- **Islets, Pancreatic:** + + + + + + + + + + 10
- **Parathyroid Gland:** + + + + + + + + + + 10
- **Pituitary Gland:** + + + + + + + + + + 10

---

*Total animals with tissue examined microscopically; Total animals with tumor
+Tissue examined microscopically
XLesion present
IInsufficient tissue
MMissing tissue
AAutolysis precludes evaluation
BLANKNot examined microscopically
**Experiment Number:** 93027-11  
**Test Type:** 90-DAY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/HSD

**Test Compound:** Peroxisome project (Dibutyl phthalate)  
**CAS Number:** 84-74-2

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 06:14:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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**Thyroid Gland**  
+ + + + + + + + + +  10

**General Body System**

**NONE**

**Genital System**

- **Epididymis**  
  + + + + + + + + + +  10

- **Preputial Gland**  
  + + + + + + + + + +  10

- **Prostate**  
  + + + + + + + + + +  10

- **Seminal Vesicle**  
  + + + + + + + + + +  10

- **Testes**  
  + + + + + + + + + +  10

**Hematopoietic System**

- **Lymph Node, Mandibular**  
  + + + + + + + + + +  10

- **Lymph Node, Mesenteric**  
  + + + + + + + + + + M +  9

- **Spleen**  
  + + + + + + + + + +  10

- **Thymus**  
  + + + + + + + + + +  10

**Integumentary System**

- **Mammary Gland**  
  + + + + + + + + + +  10

- **Skin**  
  + + + + + + + + + +  10

**Musculoskeletal System**

- **Bone**  
  + + + + + + + + + +  10

---

* ..Total animals with tissue examined microscopically; Total animals with tumor  
M ..Missing tissue  
+ ..Tissue examined microscopically  
A ..Autolysis precludes evaluation  
X ..Lesion present  
BLANK ..Not examined microscopically  
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**Test Compound:** Peroxisome project (Dibutyl phthalate)

**CAS Number:** 84-74-2

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* ..Total animals with tissue examined microscopically; Total animals with tumor
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Experiment Number: 93027-11
Test Type: 90-DAY
Route: DOSED FEED
Species/Strain: Rat/HSD

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CAS Number: 84-74-2

Date Report Requested: 10/23/2014
Time Report Requested: 06:14:30
First Dose M/F: NA / NA
Lab: BAT

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*TOTALS

Alimentary System
Liver + + + + + + + + + 10
Pancreas + + + + + + + + + 10

Cardiovascular System
NONE

Endocrine System
NONE

General Body System
NONE

Genital System
Preputial Gland + + + + + + + + + 10
Testes + + + + + + + + + 10

Hematopoietic System
NONE

Integumentary System
NONE

Musculoskeletal System
NONE

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**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

**Test Compound:** Peroxisome project (Dibutyl phthalate)

**CAS Number:** 84-74-2

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 06:14:31

**First Dose M/F:** NA / NA

**Lab:** BAT

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**HSD Rat Male**

**1000 PPM**

**ANIMAL ID**

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**Nervous System**

NONE

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

Kidney

| + | + | + | + | + | + | + | + + |

**SYSTEMIC LESIONS**

Multiple Organ

| + | + | + | + | + | + | + | + + |

---

* ..Total animals with tissue examined microscopically; Total animals with tumor
  + ..Tissue examined microscopically
  X ..Lesion present
  I ..Insufficient tissue
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Route: DOSED FEED  
Species/Strain: Rat/HSD  
Test Compound: Peroxisome project (Dibutyl phthalate)  
CAS Number: 84-74-2  
First Dose M/F: NA/NA  
Lab: BAT  
Date Report Requested: 10/23/2014  
Time Report Requested: 06:14:31

### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HSD Rat Male | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
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*TOTALS

**Alimentary System**

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<th>Liver</th>
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<td>+ ++ ++ ++ ++ ++ ++ ++ ++ ++ ++ + 10</td>
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**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

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<th>Preputial Gland</th>
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**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

* ..Total animals with tissue examined microscopically; Total animals with tumor  
M ..Missing tissue  
+ ..Tissue examined microscopically  
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X ..Lesion present  
I ..Insufficient tissue  
BLANK ..Not examined microscopically
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**Test Compound:** Peroxisome project (Dibutyl phthalate)

**CAS Number:** 84-74-2

**Experiment Number:** 93027-11

**Test Type:** 90-DAY

**Route:** DOSED FEED

**Species/Strain:** Rat/HSD

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</table>

**Nervous System**

NONE

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

Kidney

| + | + | + | + | + | + | + | + | + |

**SYSTEMIC LESIONS**

Multiple Organ

| + | + | + | + | + | + | + | + |

- **TOTALS**

10

- **TOTALS**

10

---

* ..Total animals with tissue examined microscopically; Total animals with tumor
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X ..Lesion present
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M ..Missing tissue
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First Dose M/F: NA / NA
Lab: BAT

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HSD Rat Male |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 5000 PPM    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
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*TOTALS*

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<th>Preputial Gland</th>
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* ..Total animals with tissue examined microscopically; Total animals with tumor
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X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically
Experiment Number: 93027-11
Test Type: 90-DAY
Route: DOSED FEED
Species/Strain: Rat/HSD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Peroxisome project (Dibutyl phthalate)
CAS Number: 84-74-2

Date Report Requested: 10/23/2014
Time Report Requested: 06:14:31
First Dose M/F: NA / NA
Lab: BAT

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Nervous System
NONE

Respiratory System
NONE

Special Senses System
NONE

Urinary System
Kidney

| + | + | + | + | + | + | + | + | + | + | + | + | + | 10 |

Renal Tubule, Carcinoma

| X | 1 |

SYSTEMIC LESIONS

Multiple Organ

| + | + | + | + | + | + | + | + | + | + | + | + | + | 10 |

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Page 10
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**CAS Number:** 84-74-2

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 06:14:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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### Alimentary System

- **Liver:**
  - **ANIMAL ID:**
  - **DAYS ON TEST:** 0000000000  
  - **SUM:** 10

- **Pancreas:**
  - **ANIMAL ID:**
  - **DAYS ON TEST:** 0000000000  
  - **SUM:** 10

### Cardiovascular System

**NONE**

### Endocrine System

**NONE**

### General Body System

**NONE**

### Genital System

- **Preputial Gland:**
  - **ANIMAL ID:**
  - **DAYS ON TEST:** 0000000000  
  - **SUM:** 10

- **Testes:**
  - **ANIMAL ID:**
  - **DAYS ON TEST:** 0000000000  
  - **SUM:** 10

### Hematopoietic System

**NONE**

### Integumentary System

**NONE**

### Musculoskeletal System

**NONE**

---

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M ..Missing tissue  
X ..Lesion present  
I ..Insufficient tissue  
BLANK ..Not examined microscopically

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**TOTALS**

Nervous System
NONE

Respiratory System
NONE

Special Senses System
NONE

Urinary System

Kidney

SYSTEMIC LESIONS

Multiple Organ

*..Total animals with tissue examined microscopically; Total animals with tumor
M..Missing tissue
+..Tissue examined microscopically
A..Autolysis precludes evaluation
X..Lesion present
I..Insufficient tissue
BLANK..Not examined microscopically
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**Alimentary System**

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<td>Liver</td>
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<td>Pancreas</td>
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<td>Stomach, Forestomach</td>
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**Cardiovascular System**

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**Endocrine System**

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<td>Pituitary Gland</td>
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* ..Total animals with tissue examined microscopically; Total animals with tumor  
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BLANK ..Not examined microscopically  
I ..Insufficient tissue
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**GENERAL BODY SYSTEM**

- Thyroid Gland: + + + + + + + + + +

**GENITAL SYSTEM**

- Epididymis: + + + + + + + + + +
- Preputial Gland: + + + + + + + + + +
- Prostate: + + + + + + + + + +
- Seminal Vesicle: + + + + + + + + + +
- Testes: + + + + + + + + + +

**HEMATOPOIETIC SYSTEM**

- Lymph Node, Mandibular: + + + + + + + + + +
- Lymph Node, Mesenteric: + + + + + + + + + +
- Spleen: + + + + + + + + + +
- Thymus: + + + + + + + + + +

**INTEGUMENTARY SYSTEM**

- Mammary Gland: + + + + + + + + + +
- Skin: + + + + + + + + + +

**MUSCULOSKELETAL SYSTEM**

- Bone: + + + + + + + + + +

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Page 14
DAY ON TEST

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0 0 0 0 0 0 0 0 0 0
5 5 5 5 5 5 5 5 5 5
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*TOTALS

Nervous System

Brain + + + + + + + + + 10

Respiratory System

Lung + + + + + + + + + 10
Nose + + + + + + + + + 10
Trachea + + + + + + + + + 10

Special Senses System

NONE

Urinary System

Kidney + + + + + + + + + 10
Urinary Bladder + + + + + + + + + 10

SYSTEMIC LESIONS

Multiple Organ + + + + + + + + + 10

***END OF MALE DATA***

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** END OF REPORT **