Experiment Number: 93027-17
Test Type: 90-DAY
Route: DOSED FEED
Species/Strain: HAMSTERS/SYRIAN

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: Peroxisome project (Dibutyl phthalate)
CAS Number: 84-74-2

Date Report Requested: 10/22/2014
Time Report Requested: 03:51:41
First Dose M/F: NA / NA
Lab: BAT

C Number: C93027A
Lock Date: 06/12/1996
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Male
PWG Approval Date: NONE
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| Cardiovascular System | | | |
| Heart | + + + + + + + + + + | 10 |

| Endocrine System | | | |
| Adrenal Cortex | + + + + + + + + + + | 10 |

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ ..Tissue examined microscopically
M ..Missing tissue
X ..Lesion present
A ..Autolysis precludes evaluation
I ..Insufficient tissue
BLANK ..Not examined microscopically
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1) Minimal 3) Moderate
2) Mild 4) Marked
P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Peroxisome project (Dibutyl phthalate)

CAS Number: 84-74-2

DAY ON TEST

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SYRIAN HAMSTERS Male

Adrenal Medulla + + + + + + + + + + 10
Islets, Pancreatic + + + + + + + + + + 10
Parathyroid Gland + + + + + + + + + + 10
Pituitary Gland + + + + + + + + + + 10
Thyroid Gland + + + + + + + + + + 10

General Body System

NONE

Genital System

Epididymis + + + + + + + + + + 10
Preputial Gland M M M + + M M M M M 2
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 M M M M M M M M M 0
Skin + + + + + + + + + + 10

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

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

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*TOTALS

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**Musculoskeletal System**

**Bone**

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**Nervous System**

**Brain**

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**Respiratory System**

**Lung**

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**Hemorrhage**

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**Special Senses System**

**NONE**

**Urinary System**

**Kidney**

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M ..Missing tissue
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A ..Autolysis precludes evaluation
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BLANK ..Not examined microscopically
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3) Moderate
4) Marked

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(Date and time information)
**Experiment Number:** 93027-17  
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### Alimentary System

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### Cardiovascular System

- **NONE**

### Endocrine System

- **NONE**

### General Body System

- **NONE**

### Genital System

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### Hematopoietic System

- **NONE**

### Integumentary System

- **NONE**

---

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*TOTALS

Musculoskeletal System
NONE

Nervous System
NONE

Respiratory System
NONE

Special Senses System
NONE

Urinary System

Kidney
+ + + + + + + + + + 10
Mineralization 2 1 2.0
Nephropathy 1 1 2 1.0

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**Route:** DOSED FEED

**Test Type:** 90-DAY

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**Alimentary System**

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

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**Hematopoietic System**

NONE

**Integumentary System**

NONE

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ ..Tissue examined microscopically
M ..Missing tissue
X ..Lesion present
A ..Autolysis precludes evaluation
I ..Insufficient tissue
BLANK ..Not examined microscopically
1-4 ..Lesion qualified as:
1) Minimal 2) Mild
3) Moderate 4) Marked
**Experiment Number:** 93027-17  
**Test Type:** 90-DAY  
**Route:** DOSED FEED  
**Species/Strain:** HAMSTERS/SYRIAN

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

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 03:51:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**SYRIAN HAMSTERS Male**  
**2500 PPM**

**ANIMAL ID**

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**Musculoskeletal System**

NONE

**Nervous System**

NONE

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

Kidney

+ + + + + + + + + 10

---

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ ..Tissue examined microscopically  
M ..Missing tissue  
1-4 ..Lesion qualified as:  
1) Minimal  3) Moderate  
X ..Lesion present  
A ..Autolysis precludes evaluation  
2) Mild  4) Marked  
I ..Insufficient tissue  
BLANK ..Not examined microscopically  
PROJECTIONS
### P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

---

**Experiment Number:** 93027-17  
**Test Type:** 90-DAY  
**Route:** DOSED FEED  
**Species/Strain:** HAMSTERS/SYRIAN

---

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **SYRIAN HAMSTERS Male** | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
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**Test Compound:** Peroxisome project (Dibutyl phthalate)  
**CAS Number:** 84-74-2

---

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 03:51:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

### Alimentary System

- **Liver**
  - Infiltration Cellular, Mixed Cell
    - Day 0:
      - + + + + + + + + 10
    - Day 9:
      - 1 1 1 1 1 1 1 1 9 1.0
- **Pancreas**
  - Inflammation, Chronic
    - Day 1:
      - + + + + + + + + 10
    - Day 9:
      - 1 1 1 1 1 1 1 1 8 1.0

### Cardiovascular System

- **NONE**

### Endocrine System

- **NONE**

### General Body System

- **NONE**

### Genital System

- **Preputial Gland**
  - M M M M + M M M M + 2
- **Testes**
  - + + + + + + + + + 10
- **Atrophy**
  - 1 3 3 3 2.3

### Hematopoietic System

- **NONE**

### Integumentary System

- **NONE**

---

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ ..Tissue examined microscopically  
M ..Missing tissue  
1-4 ..Lesion qualified as:  
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**First Dose M/F:** NA / NA  
**Lab:** BAT

### P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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**Musculoskeletal System**
- NONE

**Nervous System**
- NONE

**Respiratory System**
- NONE

**Special Senses System**
- NONE

**Urinary System**

- **Kidney**
  - Nephropathy
    - Total: 10
    - 0-1: 1
    - 2-3: 1
    - 4-5: 1
    - 6-7: 4
    - 8-9: 1

*..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+..Tissue examined microscopically
M..Missing tissue
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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
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Date Report Requested: 10/22/2014  
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First Dose M/F: NA / NA  
Lab: BAT

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*TOTALS

Alimentary System

Liver + + + + + + + + + + + 10
Infiltration Cellular, Mixed Cell 1 1 1 1 1 1 1 1 1 1 2 10 1.1
Pancreas + + + + + + + + + + + 10
Inflammation, Chronic 1 1 2 2 1 3 2 7 1.6

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

Preputial Gland M M + M M M M M M M 1
Testes + + + + + + + + + + + 10
Atrophy 3 1 3.0

Hematopoietic System

NONE

Integumentary System

NONE

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ ..Tissue examined microscopically  
M ..Missing tissue  
1-4 ..Lesion qualified as:
X ..Lesion present  
A ..Autolysis precludes evaluation  
1) Minimal  3) Moderate
I ..Insufficient tissue  
BLANK ..Not examined microscopically  
2) Mild  4) Marked
Experiment Number: 93027-17
Test Type: 90-DAY
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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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Date Report Requested: 10/22/2014
Time Report Requested: 03:51:42
First Dose M/F: NA / NA
Lab: BAT

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**SYRIAN HAMSTERS Male**

**10,000 PPM**

**ANIMAL ID**

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**Musculoskeletal System**

NONE

**Nervous System**

NONE

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

- **Kidney**
  - + + + + + + + + + + 10
- **Nephropathy**
  - 1 1 2 1.0

---

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ ..Tissue examined microscopically
M ..Missing tissue
X ..Lesion present
A ..Autolysis precludes evaluation
I ..Insufficient tissue
BLANK ..Not examined microscopically
1-4 ..Lesion qualified as:
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   2) Mild
   3) Moderate
   4) Marked
**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

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

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

---

**SYRIAN HAMSTERS Male**

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**0** ..Total animals with tissue examined microscopically; **1-4** ..Lesion qualified as:

- 1) Minimal
- 2) Mild
- 3) Moderate
- 4) Marked

---

**Alimentary System**

- **Esophagus**: + + + + + + + + 10
- **Gallbladder**: + + + + + + + + + 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, Forestomach**: + + + + + + + + + 10
- **Stomach, Glandular**: + + + + + + + + + 10

**Cardiovascular System**

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

**Endocrine System**

- **Adrenal Cortex**: + + + + + + + + + 10

---

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

M ..Missing tissue

A ..Autolysis precludes evaluation

1) Minimal

3) Moderate

1-4 ..Lesion qualified as:

- 1) Minimal
- 2) Mild
- 3) Moderate
- 4) Marked

---

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 03:51:42

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

**Lab:** BAT
**Experiment Number:** 93027-17  
**Test Type:** 90-DAY  
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**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**Adrenal Medulla**
- Total animals with tissue examined microscopically: 9
- Tissue examined microscopically: 10
- Missing tissue: 1
- Lesion present: 3
- Autolysis precludes evaluation: 1
- Insufficient tissue: 2
- Not examined microscopically: 10

**Islets, Pancreatic**
- Total animals with tissue examined microscopically: 10
- Tissue examined microscopically: 10
- Missing tissue: 1
- Lesion present: 10

**Parathyroid Gland**
- Total animals with tissue examined microscopically: 9
- Tissue examined microscopically: 10
- Missing tissue: 1
- Lesion present: 9

**Pituitary Gland**
- Total animals with tissue examined microscopically: 10
- Tissue examined microscopically: 10
- Missing tissue: 1
- Lesion present: 10

**Thyroid Gland**
- Total animals with tissue examined microscopically: 10
- Tissue examined microscopically: 10
- Missing tissue: 1
- Lesion present: 10

**General Body System**
- NONE

**Genital System**

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**Hematopoietic System**

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<tr>
<th>Tissue</th>
<th>Total Tissues</th>
<th>Tissue Examined</th>
<th>Autolysis</th>
<th>Insufficient</th>
<th>Missing</th>
<th>Lesion Present</th>
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</thead>
<tbody>
<tr>
<td>Lymph Node, Mandible</td>
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<tr>
<td>Lymph Node, Mesenteric</td>
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<tr>
<td>Spleen</td>
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<tr>
<td>Thymus</td>
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<td>M + + + + + + +</td>
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<td></td>
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</table>

**Integumentary System**

---

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ ..Tissue examined microscopically
M ..Missing tissue
X ..Lesion present
A ..Autolysis precludes evaluation
I ..Insufficient tissue
BLANK ..Not examined microscopically
1-4 ..Lesion qualified as:
1) Minimal  2) Mild  3) Moderate  4) Marked
**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

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

**DAY ON TEST**

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</tbody>
</table>

*TOTALS*

**Integumentary System**

- **Mammary Gland**
  - M M M + M M M M M 1
- **Skin**
  - + + + + + + + + + 10

**Musculoskeletal System**

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

**Nervous System**

- **Brain**
  - + + + + + + + + + 10

**Respiratory System**

- **Lung**
  - + + + + + + + + + 10
- **Hemorrhage**
  - 1 2 1 2 3 4 2.0
- **Nose**
  - + + + + + + + + + 10
- **Trachea**
  - + + + + + + + + + 10

**Special Senses System**

- **NONE**

**Urinary System**

- **Kidney**
  - + + + + + + + + + 10
- **Nephropathy**
  - 1 1 1 1 2.0
- **Urinary Bladder**
  - + + + + + + + + + 10

***END OF MALE DATA***

---

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ ..Tissue examined microscopically
M ..Missing tissue
X ..Lesion present
A ..Autolysis precludes evaluation
I ..Insufficient tissue
BLANK ..Not examined microscopically
1-4..Lesion qualified as:
  1) Minimal  2) Mild  3) Moderate  4) Marked
** END OF REPORT **