Experiment Number: 55301-03
Test Type: 90-DAY
Species/Strain: Rat/WISTAR OUTBR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: Pyridine
CAS Number: 110-86-1

Date Report Requested: 10/21/2014
Time Report Requested: 15:47:38
First Dose M/F: NA / NA
Lab: TSI MASON

C Number: C55301B
Lock Date: Not Entered.
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Male
PWG Approval Date: NONE
**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR  
**CAS Number:** 110-86-1  
**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:47:38  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

<table>
<thead>
<tr>
<th>DAY ON TEST</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>WISTAR OUTBR Rat Male</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>0 PPM</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td>ANIMAL ID</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

*TOTALS*

**Alimentary System**

- Esophagus  
- Intestine Large, Cecum  
- Intestine Large, Colon  
- Intestine Large, Rectum  
- Intestine Small, Duodenum  
- Intestine Small, Ileum  
- Intestine Small, Jejunum  
- Liver  
- Pancreas  
- Salivary Glands  
- Stomach, Forestomach  
- Stomach, Glandular  
- Inflammation, Acute

**Cardiovascular System**

- Heart  
- Cardiomyopathy

**Endocrine System**

- Adrenal Gland, Cortex  
- Adrenal Gland, Medulla  
- Islets, Pancreatic

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ ..Tissue examined microscopically  
M ..Missing tissue  
A ..Autolysis precludes evaluation  
X ..Lesion present  
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:** Pyridine  
**CAS Number:** 110-86-1

---

<table>
<thead>
<tr>
<th>DAY ON TEST</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>WISTAR OUTBR Rat Male</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td>0 PPM</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANIMAL ID</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parathyroid Gland</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Pituitary Gland</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Thyroid Gland</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
</tbody>
</table>

**General Body System**

- **NONE**

**Genital System**

- **Epididymis**
  - + + + + + + + + + 9
- **Preputial Gland**
  - + + + + + + + + + 10
- **Inflammation, Chronic Active**
  - 1 1 1.0
- **Prostate**
  - + + + + + + + + + 10
- **Seminal Vesicle**
  - + + + + + + + + + 10
- **Testes**
  - + + + + + + + + + 10
- **Seminif Tub, Giant Cell**
  - 2 1 2.0

**Hematopoietic System**

- **Bone Marrow**
  - + + + + + + + + + 10
- **Lymph Node**
  - + 1
- **Lumbar, Hyperplasia, Lymphoid**
  - 2 1 2.0
- **Lymph Node, Mandibular**
  - + + + + + + + + + 10
- **Hyperplasia, Lymphoid**
  - 2 1 2.0
- **Lymph Node, Mesenteric**
  - + + + + + + + + + 10
- **Hyperplasia, Lymphoid**
  - 2 1 2.0

---

* ..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:
  1) Minimal
  3) Moderate
  2) Mild
  4) Marked

---

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:47:38  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON
**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

**Test Compound:** Pyridine

**CAS Number:** 110-86-1

---

**DAY ON TEST**

<table>
<thead>
<tr>
<th>DAY ON TEST</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 0 0 0 0 0 0 0 0</td>
<td>0 0 0 0 0 0 0 0 0</td>
<td>0 0 0 0 0 0 0 0 0</td>
<td>0 0 0 0 0 0 0 0 0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**ANIMAL ID**

<table>
<thead>
<tr>
<th>ANIMAL ID</th>
<th>0</th>
<th>0</th>
<th>9</th>
<th>2</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 0 0 0 0 0 0 0 0</td>
<td>0 0 0 0 0 0 0 0 0</td>
<td>0 0 0 0 0 0 0 0 0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**WISTAR OUTBR Rat Male**

**0 PPM**

---

**Integumentary System**

<table>
<thead>
<tr>
<th>Component</th>
<th>0</th>
<th>0</th>
<th>9</th>
<th>2</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spleen</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Thymus</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
</tbody>
</table>

**Musculoskeletal System**

<table>
<thead>
<tr>
<th>Component</th>
<th>0</th>
<th>0</th>
<th>9</th>
<th>2</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bone</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
</tbody>
</table>

**Nervous System**

<table>
<thead>
<tr>
<th>Component</th>
<th>0</th>
<th>0</th>
<th>9</th>
<th>2</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brain</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
</tbody>
</table>

**Respiratory System**

<table>
<thead>
<tr>
<th>Component</th>
<th>0</th>
<th>0</th>
<th>9</th>
<th>2</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lung</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Hemorrhage</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>1.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Infiltration Cellular, Histiocyte</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>1.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nose</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Inflammation, Acute</td>
<td>1</td>
<td>1</td>
<td>1.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trachea</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
</tbody>
</table>

**Special Senses System**

<table>
<thead>
<tr>
<th>Component</th>
<th>0</th>
<th>0</th>
<th>9</th>
<th>2</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>NONE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Urinary System**

---

**TOTALS**

<table>
<thead>
<tr>
<th>Organ</th>
<th>Spleen</th>
<th>Thymus</th>
<th>Integumentary System</th>
<th>Musculoskeletal System</th>
<th>Nervous System</th>
<th>Respiratory System</th>
<th>Special Senses System</th>
<th>Urinary System</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>+ + + + + + + + + +</td>
<td>+ + + + + + + + + +</td>
<td>+ + + + + + + + + +</td>
<td>+ + + + + + + + + +</td>
<td>+ + + + + + + + + +</td>
<td>+ + + + + + + + + +</td>
<td>+ + + + + + + + + +</td>
<td>+ + + + + + + + + +</td>
</tr>
</tbody>
</table>

---

* ..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 3) Moderate
2) Mild 4) Marked
### Experiment Number: 55301-03
**Test Type:** 90-DAY  **Species/Strain:** Rat/WISTAR OUTBR
**Test Compound:** Pyridine  **CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  **Time Report Requested:** 15:47:38  **First Dose M/F:** NA / NA  **Lab:** TSI MASON

---

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

**DAY ON TEST**

<table>
<thead>
<tr>
<th>WISTAR OUTBR Rat Male</th>
<th>0 PPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANIMAL ID</td>
<td>0 0 0 9 2 0 0 0 0</td>
</tr>
<tr>
<td></td>
<td>2 2 2 2 2 2 2 2 2</td>
</tr>
</tbody>
</table>

---

#### ANIMAL ID

<table>
<thead>
<tr>
<th></th>
<th>1 2 3 4 5 6 7 8 9 0</th>
</tr>
</thead>
</table>

---

#### Kidney

<table>
<thead>
<tr>
<th>Lesion</th>
<th>0 0 0 0 0 0 0 0 1 0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casts</td>
<td>1 1 1 1</td>
</tr>
<tr>
<td>Hydronephrosis</td>
<td>1</td>
</tr>
<tr>
<td>Mineralization</td>
<td>1 1 1 1 1 1 1 1 1 1</td>
</tr>
<tr>
<td>Renal Tubule, Degeneration, Hyaline</td>
<td>1 1</td>
</tr>
<tr>
<td>Renal Tubule, Regeneration</td>
<td>1 1 1 1 1 1 1 1 1 1</td>
</tr>
<tr>
<td>Urinary Bladder</td>
<td>+ + + + + + + + + +</td>
</tr>
</tbody>
</table>

---

#### *TOTALS*

<table>
<thead>
<tr>
<th>Lesion</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casts</td>
<td>3</td>
</tr>
<tr>
<td>Hydronephrosis</td>
<td>2</td>
</tr>
<tr>
<td>Mineralization</td>
<td>7</td>
</tr>
<tr>
<td>Renal Tubule, Degeneration, Hyaline</td>
<td>2</td>
</tr>
<tr>
<td>Renal Tubule, Regeneration</td>
<td>5</td>
</tr>
<tr>
<td>Urinary Bladder</td>
<td>10</td>
</tr>
</tbody>
</table>

---

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:
1) Minimal  2) Mild  3) Moderate  4) Marked
# Experiment Number: 55301-03

## Test Type: 90-DAY

**Species/Strain:** Rat/WISTAR OUTBR

**Test Compound:** Pyridine

**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 15:47:38

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

**Lab:** TSI MASON

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

**Test Compound:** Pyridine

**CAS Number:** 110-86-1

---

<table>
<thead>
<tr>
<th>DAY ON TEST</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>WISTAR OUTBR Rat Male</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td>50 PPM</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

**ANIMAL ID:**

<table>
<thead>
<tr>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

---

**Alimentary System**

- **Liver**
  - Necrosis, Focal: + + + + + + + + + + 10
  - + + + + + + + + + + 1 1 1.0

**Cardiovascular System**

- NONE

**Endocrine System**

- NONE

**General Body System**

- NONE

**Genital System**

- NONE

**Hematopoietic System**

- **Lymph Node, Mandibular** (+) 1
  - Hyperplasia, Lymphoid 2 1 2.0

**Integumentary System**

- **Skin** (+) 1

**Musculoskeletal System**

- NONE

---

* ..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

2) Mild 4) Marked

---

Page 6
Experiment Number: 55301-03
Test Type: 90-DAY
Species/Strain: Rat/WISTAR OUTBR
Test Compound: Pyridine
CAS Number: 110-86-1

Date Report Requested: 10/21/2014
Time Report Requested: 15:47:38
First Dose M/F: NA / NA
Lab: TSI MASON

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

DAY ON TEST

<table>
<thead>
<tr>
<th>DAY ON TEST</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>WISTAR OUTBR Rat Male</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td>50 PPM</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>ANIMAL ID</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
</tr>
</tbody>
</table>

*TOTALS

**Nervous System**

NONE

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

Kidney

<table>
<thead>
<tr>
<th>Lesion</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casts</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>1.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hydronephrosis</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>1.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inflammation, Chronic</td>
<td>1</td>
<td>1</td>
<td>1.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mineralization</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>5</td>
<td>1.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Renal Tubule, Regeneration</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>6</td>
<td>1.0</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*..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 2) Mild 3) Moderate 4) Marked
X ..Lesion present
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically
### P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR  
**Test Compound:** Pyridine  
**CAS Number:** 110-86-1  
**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:47:39  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

<table>
<thead>
<tr>
<th>DAY ON TEST</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>WISTAR OUTBR Rat Male 100 PPM</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**ALIMENTARY SYSTEM**

<table>
<thead>
<tr>
<th>Lesion Type</th>
<th>Day 1</th>
<th>Day 2</th>
<th>Day 3</th>
<th>Day 4</th>
<th>Day 5</th>
<th>Day 6</th>
<th>Day 7</th>
<th>Day 8</th>
<th>Day 9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liver</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clear Cell Focus</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Necrosis, Focal</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

NONE

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

NONE

**HEMATOPOIETIC SYSTEM**

<table>
<thead>
<tr>
<th>Lesion Type</th>
<th>Day 1</th>
<th>Day 2</th>
<th>Day 3</th>
<th>Day 4</th>
<th>Day 5</th>
<th>Day 6</th>
<th>Day 7</th>
<th>Day 8</th>
<th>Day 9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lymph Node, Mandibular</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hyperplasia, Lymphoid</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**INTEGUMENTARY SYSTEM**

NONE

**MUSCULOSKELETAL SYSTEM**

<table>
<thead>
<tr>
<th>Lesion Type</th>
<th>Day 1</th>
<th>Day 2</th>
<th>Day 3</th>
<th>Day 4</th>
<th>Day 5</th>
<th>Day 6</th>
<th>Day 7</th>
<th>Day 8</th>
<th>Day 9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clear Cell Focus</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TOTALS**

<table>
<thead>
<tr>
<th>Total Animals Examined</th>
<th>Total Animals with Lesion</th>
<th>Mean Severity Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>1</td>
<td>1.0</td>
</tr>
</tbody>
</table>

*..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: 55301-03
Test Type: 90-DAY
Species/Strain: Rat/WISTAR OUTBR

Test Compound: Pyridine
CAS Number: 110-86-1

Date Report Requested: 10/21/2014
Time Report Requested: 15:47:39
First Dose M/F: NA / NA
Lab: TSI MASON

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DAY ON TEST

<table>
<thead>
<tr>
<th>DAY ON TEST</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>WISTAR OUTBR Rat Male</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td>100 PPM</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

ANIMAL ID

<table>
<thead>
<tr>
<th>ANIMAL ID</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>3</td>
</tr>
</tbody>
</table>

*TOTALS

NONE
Nervous System
NONE
Respiratory System
NONE
Special Senses System
NONE
Urinary System

Kidney

<table>
<thead>
<tr>
<th>Lesion</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casts</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>4</td>
<td>1.0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inflammation, Chronic</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>2.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mineralization</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>4</td>
<td>1.0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Renal Tubule, Regeneration</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>5</td>
<td>1.0</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* ..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:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR  
**Test Compound:** Pyridine  
**CAS Number:** 110-86-1  
**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:47:39  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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

<table>
<thead>
<tr>
<th>DAY ON TEST</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>WISTAR OUTBR Rat Male</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>250 PPM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANIMAL ID</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Liver**
  - Clear Cell Focus: + + + + + + + + + + 10
  - Inflammation, Chronic: 1 1 2 1.0

- **Cardiovascular System**
  - NONE

- **Endocrine System**
  - NONE

- **General Body System**
  - NONE

- **Genital System**
  - NONE

- **Hematopoietic System**
  - Lymph Node, Mandibular: + 1
  - Angiectasis: 1 2 1.0

- **Integumentary System**
  - NONE

- **Musculoskeletal 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: 55301-03
Test Type: 90-DAY
Species/Strain: Rat/WISTAR OUTBR
Test Compound: Pyridine
CAS Number: 110-86-1

<table>
<thead>
<tr>
<th>DAY ON TEST</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>WISTAR OUTBR Rat Male</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td>250 PPM</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>ANIMAL ID</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
</tr>
</tbody>
</table>

*TOTALS

Nervous System
NONE

Respiratory System
NONE

Special Senses System
NONE

Urinary System

<table>
<thead>
<tr>
<th>Tissue Type</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
</tr>
</thead>
</table>
Kidney | 2 | 1 | 1 | 2 | 4 | 1.5 |
Casts | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 8 | 1.3 |
Mineralization | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 9 | 1.0 |
Renal Tubule, Degeneration, Hyaline | 1 | | | | | | | |
Renal Tubule, Regeneration | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 9 | 1.0 |
Urinary Bladder | + | + | + | + | + | + | + | + | + |
Calculus Gross Observation | X | | | | | | | | |
Calculus Micro Observation Only | X | | | | | | | | |
Concretion | 2 | 1 | 2.0 |

* ..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:
1) Minimal 3) Moderate
2) Mild 4) Marked
Experiment Number: 55301-03
Test Type: 90-DAY
Species/Strain: Rat/WISTAR OUTBR

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

Test Compound: Pyridine
CAS Number: 110-86-1

Date Report Requested: 10/21/2014
Time Report Requested: 15:47:39
First Dose M/F: NA / NA
Lab: TSI MASON

**DAY ON TEST**

<table>
<thead>
<tr>
<th>DAY ON TEST</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>WISTAR OUTBR Rat Male</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>500 PPM</td>
<td>9</td>
<td>0</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td>ANIMAL ID</td>
<td>2</td>
<td>6</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

**Alimentary System**

- **Liver**
  - Centrilobular, Degeneration: 2 2 2 2 1 1 1 2 2
  - Centrilobular, Necrosis: 1
  - Hypertrophy: 1 1 1 1 1 1 1 1 1
  - Inflammation, Chronic: 2 2 2 2 2 1 1 2 1
  - Pigmentation: 1 1 1 1 1 1 1 1 1

**Cardiovascular System**

- **Heart**
  - Cardiomyopathy: 1 1 1 1 1 1 1 1 1

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

- **Testes**
  - Edema: 1

**Hematopoietic System**

NONE

---

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ ..Tissue examined microscopically
M ..Missing tissue
A ..Autolysis precludes evaluation
X ..Lesion present
1 ..Lesion qualified as:
  1) Minimal  3) Moderate
I ..Insufficient tissue
B ..Lesion qualified as:
  2) Mild  4) Marked
BLANK ..Not examined microscopically
**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR  
**Test Compound:** Pyridine  
**CAS Number:** 110-86-1  
**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:47:39  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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

<table>
<thead>
<tr>
<th>DAY ON TEST</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>WISTAR OUTBR Rat Male</td>
<td>9</td>
<td>0</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td>500 PPM</td>
<td>2</td>
<td>6</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>ANIMAL ID</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

*TOTALS*

#### Integumentary System

None

#### Musculoskeletal System

None

#### Nervous System

None

#### Respiratory System

None

#### Special Senses System

None

#### Urinary System

<table>
<thead>
<tr>
<th>Kidney</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casts</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>4</td>
<td>1.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mineralization</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>8</td>
<td>1.0</td>
</tr>
<tr>
<td>Renal Tubule, Degeneration, Hyaline</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>1.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Renal Tubule, Regeneration</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>7</td>
<td>1.0</td>
</tr>
</tbody>
</table>

* ..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  2) Mild
I ..Insufficient tissue
BLANK ..Not examined microscopically  3) Moderate
I ..Insufficient tissue
BLANK ..Not examined microscopically  4) Marked

Page 13
# P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

---

**DAY ON TEST**

<table>
<thead>
<tr>
<th>DAY ON TEST</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

**WISTAR OUTBR Rat Male**  
**1000 PPM**

**ANIMAL ID**

<table>
<thead>
<tr>
<th>ANIMAL ID</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>6</td>
</tr>
</tbody>
</table>

* **TOTALS**

---

**Alimentary System**

- **Esophagus**
  - + M + + + + + + + + + 9
- **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
  - Centrilobular, Degeneration
    - 1 1 2 1 2 2 1 2 9 1.4
  - Centrilobular, Necrosis
    - 2
  - Clear Cell Focus
    - X
  - Hypertrophy
    - 1 1 1 1 1 1 1 1 1 10 1.0
  - Inflammation, Chronic
    - 2 4 2 2 1 3 2 2 2 9 2.2
  - Pigmentation
    - 1 1 2 2 1 2 1 1 1
  - Regeneration
    - 2
  - Pancreas
    - 1 + + + + + + + + + 10
  - Salivary Glands
    - + + + + + + + + + 10
  - Stomach, Forestomach
    - + + + + + + + + + 10
  - Stomach, Glandular
    - + + + + + + + + + 10
  - Inflammation, Acute
    - 1 1 1 1 1 1 1 1 1 1 1.0

---

**Cardiovascular 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
Experiment Number: 55301-03
Test Type: 90-DAY
Species/Strain: Rat/WISTAR OUTBR

Date Report Requested: 10/21/2014
Time Report Requested: 15:47:39
First Dose M/F: NA / NA
Lab: TSI MASON

<table>
<thead>
<tr>
<th>DAY ON TEST</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>WISTAR OUTBR Rat Male</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>1000 PPM</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

ANIMAL ID

<table>
<thead>
<tr>
<th>ANIMAL ID</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heart</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Cardiomyopathy</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>1.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Endocrine System

<table>
<thead>
<tr>
<th>Tissue</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adrenal Gland, Cortex</td>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adrenal Gland, Medulla</td>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Islets, Pancreatic</td>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Parathyroid Gland</td>
<td>M M M + + + + + + +</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pituitary Gland</td>
<td>+ + + + + + + + +</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thyroid Gland</td>
<td>+ + + + + + + + +</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

General Body System

<table>
<thead>
<tr>
<th>Tissue</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
</tr>
</thead>
<tbody>
<tr>
<td>NONE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Genital System

<table>
<thead>
<tr>
<th>Tissue</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epididymis</td>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Preputial Gland</td>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inflammation, Chronic Active</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prostate</td>
<td>+ + + + + + + + + + +</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Seminal Vesicle</td>
<td>+ + + + + + + + + + +</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Testes</td>
<td>+ + + + + + + + + + +</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Hematopoietic System

<table>
<thead>
<tr>
<th>Tissue</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bone Marrow</td>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lymph Node, Mandibular</td>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* ..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  3) Moderate
2) Mild  4) Marked
## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

**Species/Strain:** Rat/WISTAR OUTBR  
**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

### DAY ON TEST

<table>
<thead>
<tr>
<th>DAY ON TEST</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>WISTAR OUTBR Rat Male 1000 PPM</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
</tr>
</tbody>
</table>

### ANIMAL ID

<table>
<thead>
<tr>
<th>ANIMAL ID</th>
<th>0</th>
<th>0</th>
<th>9</th>
<th>2</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>5</th>
<th>1</th>
</tr>
</thead>
</table>

### *TOTALS*

- **Lymph Node, Mandibular**: + + + + + + + + + + 10
- **Hyperplasia, Lymphoid**: 2 1 2.0
- **Lymph Node, Mesenteric**: + + + + + + + + + + 10
- **Spleen**: + + + + + + + + + + 10
- **Thymus**: + + + + + + + + + 10

### Integumentary System

- **Mammary Gland**: + + + + M + + + + + 9
- **Skin**: + + + + + + + + + + 10

### Musculoskeletal System

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

### Nervous System

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

### Respiratory System

- **Lung**: + + + + + + + + + + 10
- **Edema**: 1 1 2 1.0
- **Hemorrhage**: 1 1 1.0
- **Infiltration Cellular, Histiocyte**: 1 1 1.0
- **Nose**: + + + + + + + + + + 10
- **Trachea**: + + + + + + + + + + 10

### Special Senses System

- **Nose**: + + + + + + + + + + 10
- **Trachea**: + + + + + + + + + + 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:
X ..Lesion present  
A ..Autolysis precludes evaluation  
1) Minimal  3) Moderate  
I ..Insufficient tissue  
BLANK ..Not examined microscopically  
2) Mild  4) Marked
## WISTAR OUTBR Rat Male

### 1000 PPM

<table>
<thead>
<tr>
<th>DAY ON TEST</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANIMAL ID</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

### Kidney

- **Casts**
  - 1
  - 1
  - 1
  - 5
  - 1.0
- **Casts Granular**
  - 1
  - 1
  - 1.0
- **Inflammation, Chronic**
  - 1
  - 2
  - 1.0
- **Mineralization**
  - 1
  - 1
  - 1
  - 1
  - 1
  - 1
  - 10
  - 1.0
- **Renal Tubule, Degeneration, Hyaline**
  - 1
  - 1
  - 1
  - 1
  - 1
  - 6
  - 1.0
- **Renal Tubule, Regeneration**
  - 1
  - 1
  - 1
  - 2
  - 1
  - 1
  - 8
  - 1.1

### Urinary Bladder

- **Calculus Gross Observation**
  - X
  - 1
- **Calculus Micro Observation Only**
  - X
  - 1
- **Dilatation**
  - 2
  - 1
  - 2.0

---

* ..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

---

**END OF MALE DATA***