Experiment Number: 55301-08
Test Type: 26-WEEK
Route: SKIN APPLICATION
Species/Strain: Mouse/TG.AC HEMI

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Transgenic LECM (Pyridine)
CAS Number: 110-86-1

Date Report Requested: 10/23/2014
Time Report Requested: 09:11:17
First Dose M/F: NA / NA
Lab: ILS

C Number: C55301D
Lock Date: 08/21/1997
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Female
PWG Approval Date: NONE
**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

**Test Compound:** Transgenic LECM (Pyridine)

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**Lab:** ILS

---

### TG.AC HEMI Mouse Female

<table>
<thead>
<tr>
<th>DAY ON TEST</th>
<th>0 MG</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>ANIMAL ID</th>
<th>*TOTALS</th>
</tr>
</thead>
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<table>
<thead>
<tr>
<th>System</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alimentary System</td>
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</tr>
<tr>
<td>Cardiovascular System</td>
<td>NONE</td>
</tr>
<tr>
<td>Endocrine System</td>
<td>NONE</td>
</tr>
<tr>
<td>General Body System</td>
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<tr>
<td>Genital System</td>
<td>NONE</td>
</tr>
<tr>
<td>Hematopoietic System</td>
<td>NONE</td>
</tr>
<tr>
<td>Integumentary System</td>
<td>NONE</td>
</tr>
<tr>
<td>Musculoskeletal System</td>
<td>NONE</td>
</tr>
<tr>
<td>Nervous System</td>
<td>NONE</td>
</tr>
</tbody>
</table>

---

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically
Differences in microorganisms between the control and treated groups were examined using ANOVA. The results from the ANOVA analysis are presented in Table 3.

Table 3: Microorganism Differences

<table>
<thead>
<tr>
<th>Organ</th>
<th>Control</th>
<th>Treated</th>
<th>p-value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intestinal</td>
<td>0.001</td>
<td>0.002</td>
<td>0.05</td>
</tr>
<tr>
<td>Skin</td>
<td>0.01</td>
<td>0.02</td>
<td>0.01</td>
</tr>
<tr>
<td>Respiratory</td>
<td>0.003</td>
<td>0.004</td>
<td>0.007</td>
</tr>
<tr>
<td>Urinary</td>
<td>0.006</td>
<td>0.008</td>
<td>0.009</td>
</tr>
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</table>

The p-values indicate a statistically significant difference between the control and treated groups for each organ. Further investigation is needed to understand the underlying mechanisms of these changes.
**Dixon**

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---

### DAY ON TEST

**TG.AC HEMI Mouse Female**  
**1.25 UG TPA**

<table>
<thead>
<tr>
<th>ANIMAL ID</th>
<th>*TOTALS</th>
</tr>
</thead>
</table>

**Alimentary System**

- NONE

**Cardiovascular System**

- NONE

**Endocrine System**

- NONE

**General Body System**

- NONE

**Genital System**

- NONE

**Hematopoietic System**

- NONE

**Integumentary System**

- NONE

**Musculoskeletal System**

- NONE

**Nervous System**

- NONE

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**Day on Test**

**TG.AC HEMI Mouse Female**

**1.25 UG TPA**

<table>
<thead>
<tr>
<th>ANIMAL ID</th>
<th>*TOTALS</th>
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</thead>
<tbody>
<tr>
<td><strong>Respiratory System</strong></td>
<td>NONE</td>
</tr>
<tr>
<td><strong>Special Senses System</strong></td>
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<tr>
<td><strong>Urinary System</strong></td>
<td>NONE</td>
</tr>
<tr>
<td><strong>SYSTEMIC LESIONS</strong></td>
<td>0</td>
</tr>
</tbody>
</table>

- Multiple Organ

---

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M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically
DAY ON TEST

TG.AC HEMI Mouse Female

1.5 MG

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

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**DAY ON TEST**

**TG.AC HEMI Mouse Female**

1.5 MG

<table>
<thead>
<tr>
<th>ANIMAL ID</th>
<th>Respiratory System</th>
<th>Special Senses System</th>
<th>Urinary System</th>
<th>SYSTEMIC LESIONS</th>
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<tbody>
<tr>
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<th>Day on Test</th>
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<tr>
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</table>

**Alimentary System**

Liver
- + + + + + + + + + + + + + + + + + + + + 16

Salivary Glands
- + + + + + + + + + + + + + + + + + + + + 16

Stomach, Foregut
- + + + + + + + + + + + + + + + + + + + + 16

Squamous Cell Papilloma
- X X

Stomach, Glandular
- + + + + + + + + + + + + + + + + + + + + 16

Tongue
- +

Cardiovascular System

NONE

Endocrine System

Adrenal Cortex
- + + + + + + + + + + + + + + + + + + + + 16

Adrenal Medulla
- + + + + + + + + + + + + + + + + + + + + 16

Pituitary Gland
- + M + + + + + + + + + + + + + + + + 15

Thyroid Gland
- + + + + + + + + + + + + + + + + + + + + 16

General Body System

NONE

* *Total animals with tissue examined microscopically; Total animals with tumor

+ Tissue examined microscopically

X Lesion present

I Insufficient tissue

M Missing tissue

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BLANK Not examined microscopically

Page 10
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<tbody>
<tr>
<td>TG.AC HEMI Mouse Female</td>
<td>6.0 MG</td>
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<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

| Genital System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + |

| Hematopoietic System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + |

| Integumentary System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mammary Gland | + | + | + | + | + | M | + | + | + | + | + | + | + |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lip, Squamous Cell Papilloma | X | X | X | X | X | X | X | X | X | X | X | X | X |

| Musculoskeletal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE |

| Respiratory System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Alveolar/Bronchiolar Adenoma | X | X | X | X | X | X | X | X | X | X | X | X | X |

| Special Senses System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE |

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---

| 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 |
| TG.AC HEMI Mouse Female 6.0 MG | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|        | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
|        | 8 | 8 | 8 | 8 | 8 | 4 | 4 | 5 | 5 | 5 | 9 | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
|        | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 8 | 9 | 0 | 1 | 2 | 8 | 9 | 0 | 1 | 2 | 8 | 9 | 0 | 1 | 2 | 8 | 9 | 0 | 1 | 2 | 8 | 9 | 0 | 1 | 2 |

*TOTALS

**Urinary System**

- **Kidney** + + + + + + + + + + + + + 16

**SYSTEMIC LESIONS**

- **Multiple Organ** + + + + + + + + + + + + + 16

**END OF REPORT**