Experiment Number: 97011-12
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/FVB/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Transgenic model evaluation (Ethynyl estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/22/2014
Time Report Requested: 01:52:39
First Dose M/F: NA / NA
Lab: BAT

C Number: C97011F
Lock Date: 03/30/1999
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Both
PWG Approval Date NONE
**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

**Test Compound:** Transgenic model evaluation (Ethinyl estradiol)

**CAS Number:** 57-63-6

---

**FVB/N Mouse Male**

<table>
<thead>
<tr>
<th>DAY ON TEST</th>
<th>ANIMAL ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0 0 0 0 0</td>
</tr>
<tr>
<td>1</td>
<td>1 1 1 1 1</td>
</tr>
<tr>
<td>8</td>
<td>8 8 8 8 8</td>
</tr>
</tbody>
</table>

**ANIMAL ID**

| 0 0 1 8 0 0 3 0 1 3 0 2 0 1 8 0 0 3 0 3 0 4 0 |

---

**Alimentary System**

| Liver          | + + + + + | 5 |
| Stomach, Forestomach | + + + + + | 5 |

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

| Epididymis     | + + + + + | 5 |
| Prostate       | + + + + + | 5 |
| Testes         | + + + + + | 5 |

**Hematopoietic System**

NONE

**Integumentary System**

| Skin           | + + + + + | 5 |

**Musculoskeletal System**

---

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically
M ..Missing tissue
I ..Insufficient tissue
**Experiment Number:** 97011-12

**Test Type:** 14-DAY

**Test Compound:** Transgenic model evaluation (Ethynyl estradiol)

**Species/Strain:** Mouse/FVB/N

**CAS Number:** 57-63-6

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

**Time Report Requested:** 01:52:39

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

**Lab:** BAT

---

### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

#### DAY ON TEST

<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>
</tr>
</thead>
<tbody>
<tr>
<td></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>
</tr>
<tr>
<td></td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
</tr>
</tbody>
</table>

### FVB/N Mouse Male

**0 UG/KG**

<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>
</tr>
</thead>
<tbody>
<tr>
<td></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>
</tr>
<tr>
<td></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>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td></td>
</tr>
</tbody>
</table>

### Systemic Lesions

- **Multiple Organ**

  - **+**

  - **Total animals with tissue examined microscopically:** 6
  - **Total animals with tumor:** 3
  - **Missing tissue:** 2
  - **Tissue examined microscopically:** 3
  - **Lesion present:** 3
  - **Insufficient tissue:** 1
  - **Autolysis precludes evaluation:** 3
  - **Not examined microscopically:** 3

---

* ..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

---

Page 3
# Experiment Number: 97011-12

**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/FVB/N  
**CAS Number:** 57-63-6  
**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 01:52:39  
**First Dose M/F:** NA / NA  
**Lab:** BAT

### 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>
</tr>
</thead>
<tbody>
<tr>
<td></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>
</tr>
<tr>
<td></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>
</tr>
<tr>
<td></td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
</tr>
</tbody>
</table>

### FVB/N Mouse Male

**30 UG/KG**

<table>
<thead>
<tr>
<th>ANIMAL ID</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>0</td>
</tr>
</tbody>
</table>

### *TOTALS*

<table>
<thead>
<tr>
<th>System</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alimentary System</td>
</tr>
</tbody>
</table>
| Liver                   | + + + + + 5  
| Stomach, Forestomach    | + + + + + 5  
| Cardiovascular System   | NONE  
| Endocrine System        | NONE  
| General Body System     | NONE  
| Genital System          | NONE  
| Hematopoietic System    | NONE  
| Integumentary System    | Skin + + + + + 5  
| Musculoskeletal System  | NONE  
| Nervous System          | NONE  

* ..Total animals with tissue examined microscopically; Total animals with tumor  
+ ..Tissue examined microscopically  
A ..Autolysis precludes evaluation  
BLANK ..Not examined microscopically  
M ..Missing tissue  
X ..Lesion present  
I ..Insufficient tissue
<table>
<thead>
<tr>
<th>DAY ON TEST</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>
</tr>
<tr>
<td></td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>ANIMAL ID</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
</tr>
</tbody>
</table>

*TOTALS

| NONE
| Respiratory System |
| NONE
| Special Senses System |
| NONE
| Urinary System |
| NONE

**SYSTEMIC LESIONS**

Multiple Organ

| + | + | + | + | + |

5
**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

**Test Compound:** Transgenic model evaluation (Ethinyl estradiol)

**CAS Number:** 57-63-6

**Date Report Requested:** 10/22/2014
**Time Report Requested:** 01:52:39

**Experiment Number:** 97011-12
**Test Type:** 14-DAY
**Route:** GAVAGE
**Species/Strain:** Mouse/FVB/N

**TEST COMPOUND:** Transgenic model evaluation (Ethinyl estradiol)

**CAS Number:** 57-63-6

**FVB/N Mouse Male**
**60 UG/KG**

<table>
<thead>
<tr>
<th>DAY ON TEST</th>
<th>0</th>
<th>1 1 1 1</th>
<th>8 8 8 8</th>
<th>ANIMAL ID</th>
<th>0</th>
<th>0</th>
<th>1</th>
<th>3</th>
<th>1</th>
<th>1 1 1 1</th>
<th>1 2 3 4 5</th>
</tr>
</thead>
</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

**Alimentary System**
- Liver + + + + + 5
- Stomach, Forestomach + + + + + 5

**Cardiovascular System**
NONE

**Endocrine System**
NONE

**General Body System**
NONE

**Genital System**
NONE

**Hematopoietic System**
NONE

**Integumentary System**
- Skin + + + + + 5

**Musculoskeletal System**
NONE

**Nervous System**
NONE

Page 6
Experiment Number: 97011-12
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/FVB/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Transgenic model evaluation (Ethynyl estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/22/2014
Time Report Requested: 01:52:39
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

<table>
<thead>
<tr>
<th>ANIMAL ID</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>*TOTALS</td>
<td>NONE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Respiratory System
NONE

Special Senses System
NONE

Urinary System
NONE

SYSTEMIC LESIONS

Multiple Organ
+ + + + 5

* ..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
Experiment Number: 97011-12
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/FVB/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Transgenic model evaluation (Ethynyl estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/22/2014
Time Report Requested: 01:52:39
First Dose M/F: NA / NA
Lab: BAT

<table>
<thead>
<tr>
<th>DAY ON TEST</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>FVB/N Mouse Male</td>
<td>120</td>
<td>UG/KG</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANIMAL ID</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>8</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>0</td>
</tr>
</tbody>
</table>

*TOTALS

Alimentary System

Liver + + + + + 5

Stomach, Forestomach + + + + + 5

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin + + + + + 5

Musculoskeletal System

NONE

Nervous System


* Total animals with tissue examined microscopically; Total animals with tumor
+ Tissue examined microscopically
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically
I ..Insufficient tissue
<table>
<thead>
<tr>
<th>FVB/N Mouse Male</th>
<th>120 UG/KG</th>
<th>ANIMAL ID</th>
<th>DAY ON TEST</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>0 0 0 0 0</td>
<td>0 0 0 0 0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 1 1 1 1</td>
<td>1 1 1 1 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>8 8 8 8 8</td>
<td>8 8 8 8 8</td>
</tr>
</tbody>
</table>

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

*TOTALS

- NONE
- Respiratory System
  - NONE
- Special Senses System
  - NONE
- Urinary System
  - NONE

**SYSTEMIC LESIONS**

- Multiple Organ: + + + + + 5

* ..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
Experiment Number: 97011-12
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/FVB/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Transgenic model evaluation (Ethynyl estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/22/2014
Time Report Requested: 01:52:39
First Dose M/F: NA / NA
Lab: BAT

<table>
<thead>
<tr>
<th>DAY ON TEST</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>
</tr>
<tr>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
</tr>
</tbody>
</table>

FVB/N Mouse Male
180     UG/KG

<table>
<thead>
<tr>
<th>ANIMAL ID</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>1</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

*TOTALS

Alimentary System

Liver + + + + + 5
Stomach, Foregastroem + + + + + 5

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin + + + + + 5

Musculoskeletal System

NONE

Nervous System

NONE

* ..Total animals with tissue examined microscopically; Total animals with tumor
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically
X ..Lesion present
I ..Insufficient tissue
Experiment Number: 97011-12  
Test Type: 14-DAY  
Route: GAVAGE  
Species/Strain: Mouse/FVB/N

Date Report Requested: 10/22/2014  
Time Report Requested: 01:52:39  
First Dose M/F: NA / NA  
Lab: BAT

<table>
<thead>
<tr>
<th>DAY ON TEST</th>
<th>00000</th>
<th>00000</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>00000</td>
<td>11111</td>
</tr>
<tr>
<td></td>
<td>88888</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANIMAL ID</th>
<th>0000</th>
<th>0000</th>
<th>3333</th>
<th>2222</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1234</td>
<td>5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*TOTALS

Respiratory System

Special Senses System

Urinary System

SYSTEMIC LESIONS

Multiple Organ

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

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
Experiment Number: 97011-12
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/FVB/N

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**
Test Compound: Transgenic model evaluation (Ethynyl estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/22/2014
Time Report Requested: 01:52:39
First Dose M/F: NA / NA
Lab: BAT

**DAY ON TEST**

<table>
<thead>
<tr>
<th>DAY</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>
<th>0</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**FVB/N Mouse Male**
360 UG/KG

**ANIMAL ID**

<table>
<thead>
<tr>
<th>ANIMAL ID</th>
<th>0</th>
<th>0</th>
<th>1</th>
<th>8</th>
<th>0</th>
<th>0</th>
<th>3</th>
<th>2</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*TOTALS*

**Alimentary System**

- Liver + + + + + 5
- Stomach, Forestomach + + + + + 5

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

- Epididymis + + + + + 5
- Prostate + + + + + 5
- Testes + + + + + 5

**Hematopoietic System**

NONE

**Integumentary System**

- Skin + + + + + 5

**Musculoskeletal System**

* ..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
**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

**Test Compound:** Transgenic model evaluation (Ethinyl estradiol)

**CAS Number:** 57-63-6

**Experiment Number:** 97011-12

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Mouse/FVB/N

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

**Time Report Requested:** 01:52:39

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

**Lab:** BAT

---

**FVB/N Mouse Male**

**360 UG/KG**

<table>
<thead>
<tr>
<th>DAY ON TEST</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>
</tr>
<tr>
<td></td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</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>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>0</td>
</tr>
</tbody>
</table>

*TOTALS*

**None**

Nervous System

None

Respiratory System

None

Special Senses System

None

Urinary System

None

**SYSTEMIC LESIONS**

Multiple Organ: + + + + + 5

***END OF MALE DATA***

---

* ..Total animals with tissue examined microscopically; Total animals with tumor
  + ..Tissue examined microscopically
  X ..Lesion present
  M ..Missing tissue
  A ..Autolysis precludes evaluation
  BLANK ..Not examined microscopically
  I ..Insufficient tissue
Experiment Number: 97011-12
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/FVB/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Transgenic model evaluation (Ethinyl estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/22/2014
Time Report Requested: 01:52:39
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

FVB/N Mouse Female
0 UG/KG

ANIMAL ID

0 0 0 0 0
1 1 1 1 1
8 8 8 8 8

*TOTALS

Alimentary System
Liver + + + + + 5
Stomach, Foregut + + + + + 5

Cardiovascular System
NONE

Endocrine System
NONE

General Body System
NONE

Genital System
Ovary + + + + + 5
Uterus + + + + + 5

Hematopoietic System
NONE

Integumentary System
Skin + + + + + 5

Musculoskeletal System
NONE

* ..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
Experiment Number: 97011-12
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/FVB/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Transgenic model evaluation (Ethinyl estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/22/2014
Time Report Requested: 01:52:39
First Dose M/F: NA / NA
Lab: BAT

<table>
<thead>
<tr>
<th>DAY ON TEST</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>FVB/N Mouse Female</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>0 UG/KG</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>ANIMAL ID</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
</tr>
</tbody>
</table>

*TOTALS
Nervous System
NONE
Respiratory System
NONE
Special Senses System
NONE
Urinary System
NONE
SYSTEMIC LESIONS
Multiple Organ + + + + + 5

* ..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
### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

**Experiment Number:** 97011-12  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/FVB/N  
**Test Compound:** Transgenic model evaluation (Ethinyl estradiol)  
**CAS Number:** 57-63-6  
**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 01:52:39  
**First Dose M/F:** NA / NA  
**Lab:** BAT

#### FVB/N Mouse Female  
**30 UG/KG**

<table>
<thead>
<tr>
<th>DAY ON TEST</th>
<th>ANIMAL ID</th>
<th>ANIMAL ID</th>
<th>ANIMAL ID</th>
<th>ANIMAL ID</th>
<th>ANIMAL ID</th>
<th>ANIMAL ID</th>
<th>ANIMAL ID</th>
<th>ANIMAL ID</th>
<th>ANIMAL ID</th>
<th>ANIMAL ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
<td>1</td>
<td>8</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>0</td>
<td>0</td>
<td>1</td>
<td>8</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<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>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
</tr>
</tbody>
</table>

**TOTALS**

<table>
<thead>
<tr>
<th><strong>Alimentary System</strong></th>
<th><strong>Cardiovascular System</strong></th>
<th><strong>Endocrine System</strong></th>
<th><strong>General Body System</strong></th>
<th><strong>Genital System</strong></th>
<th><strong>Hematopoietic System</strong></th>
<th><strong>Integumentary System</strong></th>
<th><strong>Musculoskeletal System</strong></th>
<th><strong>Nervous System</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Liver</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Skin</td>
<td>+ + + + +</td>
<td></td>
</tr>
<tr>
<td>Stomach, Forestomach</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td></td>
</tr>
<tr>
<td><strong>NONE</strong></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 tumor  
+ ..Tissue examined microscopically  
X ..Lesion present  
I ..Insufficient tissue  
M ..Missing tissue  
A ..Autolysis precludes evaluation  
BLANK ..Not examined microscopically
### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

**Test Compound:** Transgenic model evaluation (Ethinyl estradiol)

**CAS Number:** 57-63-6

**Experiment Number:** 97011-12

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Mouse/FVB/N

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

**Time Report Requested:** 01:52:39

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

**Lab:** BAT

<table>
<thead>
<tr>
<th>DAY ON TEST</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>
</tr>
<tr>
<td></td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
</tr>
</tbody>
</table>

| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 6 | 7 | 8 | 9 | 0 |

*TOTALS*

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

**SYSTEMIC LESIONS**

- **Multiple Organ**: + + + + + 5

**Notes:**

- "..Total animals with tissue examined microscopically; Total animals with tumor"
- "..Missing tissue"
- "..Tissue examined microscopically"
- "..Autolysis precludes evaluation"
- "..Lesion present"
- "..Insufficient tissue"
- "..Not examined microscopically"
Experiment Number: 97011-12  Test Type: 14-DAY  Test Compound: Transgenic model evaluation (Ethynyl estradiol)  CAS Number: 57-63-6

P04: NEOPLASMS BY INDIVIDUAL ANIMAL


Species/Strain: Mouse/FVB/N  Route: GAVAGE

---

**FVB/N Mouse Female**

**60 UG/KG**

---

### DAY ON TEST

<table>
<thead>
<tr>
<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>
</tr>
<tr>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
</tr>
</tbody>
</table>

### ANIMAL ID

- 0 0 1 8 0 0 3 4 1 2 3 4 5

---

**Alimentary System**

- Liver: + + + + + 5
- Stomach, Forestomach: + + + + + 5

**Cardiovascular System**

- NONE

**Endocrine System**

- NONE

**General Body System**

- NONE

**Genital System**

- NONE

**Hematopoietic System**

- NONE

**Integumentary System**

- Skin: + + + + + 5

**Musculoskeletal System**

- NONE

**Nervous System**

---

* ..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
**Experiment Number:** 97011-12  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/FVB/N  

**Test Compound:** Transgenic model evaluation (Ethynyl estradiol)  
**CAS Number:** 57-63-6

---

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 01:52:39  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

**Respiratory System**
- NONE

**Special Senses System**
- NONE

**Urinary System**
- NONE

**SYSTEMIC LESIONS**

**Multiple Organ**
- + + + + + 5

---

- **TOTALS**
- **FVB/N Mouse Female**
- **60 UG/KG**

<table>
<thead>
<tr>
<th>DAY ON TEST</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>
</tr>
<tr>
<td></td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</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>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td></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>
</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
Experiment Number: 97011-12
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/FVB/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Transgenic model evaluation (Ethynyl estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/22/2014
Time Report Requested: 01:52:39
First Dose M/F: NA / NA
Lab: BAT

FVB/N Mouse Female
120 UG/KG

<table>
<thead>
<tr>
<th>ANIMAL ID</th>
<th>0</th>
<th>0</th>
<th>1</th>
<th>8</th>
<th>0</th>
<th>0</th>
<th>3</th>
<th>4</th>
<th>6</th>
</tr>
</thead>
</table>

*TOTALS

Alimentary System
- Liver: 5
- Stomach, Forestomach: 5

Cardiovascular System
- NONE

Endocrine System
- NONE

General Body System
- NONE

Genital System
- NONE

Hematopoietic System
- NONE

Integumentary System
- Skin: 5

Musculoskeletal System
- NONE

Nervous System

* ..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
Experiment Number: 97011-12
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/FVB/N

<table>
<thead>
<tr>
<th>DAY ON TEST</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>FVB/N Mouse Female</td>
<td>120</td>
<td>UG/KG</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANIMAL ID</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>

*TOTALS

| ANIMAL ID | 0 | 0 | 0 | 0 | 0 |
| 3 | 3 | 3 | 3 | 3 |
| 4 | 4 | 4 | 4 | 5 |
| 6 | 7 | 8 | 9 | 0 |

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

<table>
<thead>
<tr>
<th>Respiratory System</th>
<th>NONE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special Senses System</td>
<td>NONE</td>
</tr>
<tr>
<td>Urinary System</td>
<td>NONE</td>
</tr>
</tbody>
</table>

**SYSTEMIC LESIONS**

| Multiple Organ | + | + | + | + | 5 |

* ..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

Page 21
P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Transgenic model evaluation (Ethinyl estradiol)

CAS Number: 57-63-6

Experiment Number: 97011-12
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/FVB/N

Date Report Requested: 10/22/2014
Time Report Requested: 01:52:39
First Dose M/F: NA / NA
Lab: BAT

FVB/N Mouse Female
180 UG/KG

<table>
<thead>
<tr>
<th>DAY ON TEST</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
</tr>
</tbody>
</table>

ANIMAL ID
0 0 0 0 0
3 3 3 3 3
5 5 5 5 5
1 2 3 4 5

*TOTALS

Alimentary System
- Liver: + + + + + 5
- Stomach, Forestomach: + + + + + 5

Cardiovascular System
NONE

Endocrine System
NONE

General Body System
NONE

Genital System
NONE

Hematopoietic System
NONE

Integumentary System
- Skin: + + + + + 5

Musculoskeletal System
NONE

Nervous System

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
A ..Autolysis precludes evaluation
M ..Missing tissue
X ..Lesion present
I ..Insufficient tissue
BLANK ..Not examined microscopically
**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

<table>
<thead>
<tr>
<th>DAY ON TEST</th>
<th>0000</th>
<th>0000</th>
<th>0000</th>
<th>0000</th>
</tr>
</thead>
<tbody>
<tr>
<td>FVB/N Mouse Female</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>180 UG/KG</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>ANIMAL ID</td>
<td>0000</td>
<td>3333</td>
<td>5555</td>
<td>12345</td>
</tr>
</tbody>
</table>

*TOTALS* 

**NONE**

**Respiratory System**

**NONE**

**Special Senses System**

**NONE**

**Urinary System**

**NONE**

**SYSTEMIC LESIONS**

Multiple Organ: + + + + + 5

---

* ..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
<table>
<thead>
<tr>
<th>DAY ON TEST</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>
</tr>
<tr>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
</tr>
</tbody>
</table>

**FVB/N Mouse Female**

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

*TOTALS*

**Alimentary System**

- Liver: + + + + + 5
- Stomach, Forestomach: + + + + + 5

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

- Ovary: + + + + + 5
- Tubulostromal Carcinoma: X 1
- Uterus: + + + + + 5

**Hematopoietic System**

NONE

**Integumentary System**

- Skin: + + + + + 5

**Musculoskeletal System**

- Insufficient tissue

* ..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
Experiment Number: 97011-12
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/FVB/N

Test Compound: Transgenic model evaluation (Ethinyl estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/22/2014
Time Report Requested: 01:52:39
First Dose M/F: NA / NA
Lab: BAT

Nervous System
NONE

Respiratory System
NONE

Special Senses System
NONE

Urinary System
NONE

SYSTEMIC LESIONS

Multiple Organ

+ + + + +

5

** END OF REPORT **