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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: Transgenic model evaluation (Ethynyl estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/22/2014
Time Report Requested: 01:53:49
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
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Lab: BAT

FVB/N Mouse Male
0 UG/KG

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*TOTALS

Alimentary System

Liver + + + + + 5
Inflammation, Granulomatous 1 1 1.0
Vacuolization Cytoplasmic 1 1 1.0
Stomach, Foregastomach + + + + + 5

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

Epididymis + + + + + 5
Syncytial Alteration 2 1 2.0
Prostate + + + + + 5
Testes + + + + + 5

Hematopoietic System

NONE

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

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**TOTALS**

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**Musculoskeletal System**

- NONE

**Nervous System**

- NONE

**Respiratory System**

- NONE

**Special Senses System**

- NONE

**Urinary System**

- NONE

---

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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1-4 ..Lesion qualified as:
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---

Page 3
**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

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

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

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**FVB/N Mouse Male**

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**Alimentary System**

- Liver: + + + + + 5
- Inflammation, Granulomatous: 1 1 2 1.0
- Vacuolization Cytoplasmic: 1 1 1 1 4 1.0
- 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**

---

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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M ..Missing tissue
X ..Lesion present
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Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

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**Lab:** BAT

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

**ANIMAL ID**

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*TOTALS*

---

**Alimentary System**

- Liver: + + + + + 5
  - Inflammation, Granulomatous: 1 1 1.0
  - Vacuolization Cytoplasmic: 1 1 1 1 5 1.0
- Stomach, Foregut: + + + + + 5

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

- Skin: + + + + + 5

**Musculoskeletal System**

---

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

---
Experiment Number: 97011-12
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Species/Strain: Mouse/FVB/N

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**
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**FVB/N Mouse Male**
60 UG/KG

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*TOTALS*

None

Nervous System

None

Respiratory System

None

Special Senses System

None

Urinary System

None

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ ..Tissue examined microscopically
X ..Lesion present
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1) Minimal  3) Moderate
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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Transgenic model evaluation (Ethyl estradiol)

CAS Number: 57-63-6

Date Report Requested: 10/22/2014
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First Dose M/F: NA / NA
Lab: BAT

**FVB/N Mouse Male**

**120 UG/KG**

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*TOTALS*

**Alimentary System**

- **Liver**
  - Inflammation, Granulomatous: + + + + + 5
- Necrosis, Focal: 1 1 1.0
- Vacuolization Cytoplasmic: 2 1 2 2 1 5 1.6
- Stomach, Foregastrore: + + + + + 5

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

- **Skin**
  - + + + + + 5

---

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FVB/N Mouse Male
120 UG/KG

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*TOTALS

Musculoskeletal System
NONE

Nervous System
NONE

Respiratory System
NONE

Special Senses System
NONE

Urinary System
NONE

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## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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**CAS Number:** 57-63-6  
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**First Dose M/F:** NA / NA  
**Lab:** BAT

### FVB/N Mouse Male  
**180 UG/KG**

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| **TOTALS** | + | + | + | + | + | 5 | + | + | + | + | + | 5 | + | + | + | + | + | + | + | + | + | + |

### Alimentary System

- **Liver**  
  + + + + + 5  
  Inflammation, Granulomatous  
  1 1 1 3 1.0  
  Vacuolization Cytoplasmic  
  1 2 1 1 2 5 1.4

### Cardiovascular System

- **NONE**

### Endocrine System

- **NONE**

### General Body System

- **NONE**

### Genital System

- **NONE**

### Hematopoietic System

- **NONE**

### Integumentary System

- **Skin**  
  + + + + + 5

### Musculoskeletal System

- **NONE**

---

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**TOTALS**

- **Nervous System**: NONE
- **Respiratory System**: NONE
- **Special Senses System**: NONE
- **Urinary 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

Page 11
**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

---

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

### Alimentary System

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<th>Tissue</th>
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### Cardiovascular System

NONE

### Endocrine System

NONE

### General Body System

NONE

### Genital System

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### Hematopoietic System

NONE

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* ..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  
A ..Autolysis precludes evaluation  
I ..Insufficient tissue  
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**Experiment Number:** 97011-12  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/FVB/N

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
**Test Compound:** Transgenic model evaluation (Ethynyl estradiol)  
**CAS Number:** 57-63-6  
**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 01:53:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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* **TOTALS**

**Integumentary System**

Skin  
+ + + + + 5

**Musculoskeletal System**

NONE

**Nervous System**

NONE

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

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*TOTALS*

**Alimentary System**

- Liver: + + + + + 5
- Inflammation, Granulomatous: 1 1 2 1.0
- Vacuolization Cytoplasmic: 1 1 2 1.0
- Stomach, Forestomach: + + + + + 5

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

- Ovary: + + + + + 5
- Uterus: + + + + + 5

**Hematopoietic System**

NONE

**Integumentary System**

- Skin: + + + + + 5

---

* ..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
I ..Insufficient tissue
BLANK ..Not examined microscopically
1) Minimal 2) Mild 3) Moderate 4) Marked
### Experiment Number: 97011-12
- **Test Type:** 14-DAY
- **Route:** GAVAGE
- **Species/Strain:** Mouse/FVB/N

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

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

**Date Report Requested:** 10/22/2014
**Time Report Requested:** 01:53:50
**First Dose M/F:** NA / NA
**Lab:** BAT

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**FVB/N Mouse Female**

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*TOTALS*

---

**Musculoskeletal System**
- NONE

**Nervous System**
- NONE

**Respiratory System**
- NONE

**Special Senses System**
- NONE

**Urinary System**
- NONE

---

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

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**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 01:53:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**DAP ON TEST**

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**TOTALS**

**Alimentary System**

- Liver: + + + + + 5
- Inflammation, Granulomatous: 1 1 1.0
- Vacuolization Cytoplasmic: 1 2 1 3 1.3
- 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**

---

* *..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

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

Day ON TEST

FVB/N Mouse Female
30 UG/KG

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*TOTALS

Nervous System
NONE

Respiratory System
NONE

Special Senses System
NONE

Urinary 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
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I ..Insufficient tissue
BLANK ..Not examined microscopically
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**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/FVB/N

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**Time Report Requested:** 01:53:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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

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

| ANIMAL ID | 0 | 0 | 1 | 8 | 0 | 0 | 3 | 4 | 1 | 0 | 0 | 1 | 8 | 0 | 0 | 3 | 4 | 2 | 0 | 0 | 1 | 8 | 0 | 0 | 3 | 4 | 3 | 4 | 4 | 3 | 4 | 5 |

*TOTALS*

**Alimentary System**

- Liver: + + + + + 5
- Bile Duct, Fibrosis: 1 1 1.0
- Inflammation, Granulomatous: 1 1 1.0
- Vacuolization Cytoplasmic: 1 2 2 1 1 5 1.4
- Stomach, Forestomach: + + + + + 5

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

- Skin: + + + + + 5

---

* ..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  
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2) Mild  4) Marked
Experiment Number: 97011-12
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/FVB/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Date Report Requested: 10/22/2014
Time Report Requested: 01:53:50
First Dose M/F: NA / NA
Lab: BAT

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FVB/N Mouse Female
60 UG/KG

ANIMAL ID
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*TOTALS

Musculoskeletal System
NONE

Nervous System
NONE

Respiratory System
NONE

Special Senses System
NONE

Urinary 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:
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   2) Mild     4) Marked
**Experiment Number:** 97011-12  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/FVB/N  

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

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

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 01:53:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**DAY ON TEST**

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**FVB/N Mouse Female**

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**Alimentary System**

- **Liver**
  - Inflammation, Granulomatous: 1  
  - Vacuolization Cytoplasmic: 1 1 2 2 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**

---

* ..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

---

*Page 20*
Experiment Number: 97011-12
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/FVB/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Transgenic model evaluation (Ethynyl estradiol)

CAS Number: 57-63-6

Date Report Requested: 10/22/2014
Time Report Requested: 01:53:50
First Dose M/F: NA / NA
Lab: BAT

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FVB/N Mouse Female

120 UG/KG

Animal ID

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*TOTALS

None

Nervous System

None

Respiratory System

None

Special Senses System

None

Urinary 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:
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2) Mild  4) Marked
**Experiment Number:** 97011-12  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/FVB/N

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

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 01:53:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

### Alimentary System

- Liver
  - Inflammation, Granulomatous: 1 1 1 3 1.0
  - Vacuolization Cytoplasmic: 2 1 1 2 2 5 1.6
- 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

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

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

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</tr>
<tr>
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<td>8 8 8 8 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*

**Nervous System**

NONE

**Respiratory System**

NONE

**Special Senses System**

NONE

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Date Report Requested: 10/22/2014
Time Report Requested: 01:53:50
First Dose M/F: NA / NA
Lab: BAT

DURATION ON TEST

FVB/N Mouse Female
360 UG/KG

ANIMAL ID
0 0 0 0 0
1 1 1 1 1
8 8 8 8 8

*TOTALS

Alimentary System

Liver + + + + + 5
Inflammation, Granulomatous 1 1 1 1 4 1.0
Vacuolization Cytoplasmic 1 1 2 1 2 5 1.4
Stomach, Forestomach + + + + + 5

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

Ovary + + + + + 5
Uterus + + + + + 5

Hematopoietic System

NONE

Integumentary System

Skin + + + + + 5

* ..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: 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: 01:53:50
First Dose M/F: NA / NA
Lab: BAT

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**Musculoskeletal System**

NONE

**Nervous System**

NONE

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

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**TOTALS**

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**END OF REPORT**