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<th>Experiment Number: 93022-02</th>
<th>P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)</th>
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<td>Test Type: 14-DAY</td>
<td>Test Compound: 2,4-Decadienal</td>
<td>Time Report Requested: 03:07:01</td>
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<td>CAS Number: 25152-84-5</td>
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**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**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

NONE

* ..Total animals with tissue examined microscopically; Total animals with tumor
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I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
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P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

**Experiment Number:** 93022-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**Test Compound:** 2,4-Decadienal  
**CAS Number:** 25152-84-5

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 03:07:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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**B6C3F1 Mouse Male**  
**0.0 MG/KG**

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<tr>
<td><strong>Respiratory System</strong></td>
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<tr>
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<td><strong>Urinary System</strong></td>
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<td>Kidney</td>
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* ..Total animals with tissue examined microscopically; Total animals with tumor  
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X ..Lesion present  
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M ..Missing tissue  
A ..Autolysis precludes evaluation  
BLANK ..Not examined microscopically
Experiment Number: 93022-02
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

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*..Total animals with tissue examined microscopically; Total animals with tumor
+..Tissue examined microscopically
X..Lesion present
I..Insufficient tissue

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M..Missing tissue
A..Autolysis precludes evaluation
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Experiment Number: 93022-02
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: 2,4-Decadienal
CAS Number: 25152-84-5

Date Report Requested: 10/23/2014
Time Report Requested: 03:07:01
First Dose M/F: NA / NA
Lab: MBA

---

D A Y O N T E S T

B6C3F1 Mouse Male
45.0 MG/KG

ANIMAL ID

Respiratory System
NONE

Special Senses System
NONE

Urinary System
NONE

SYSTEMIC LESIONS

Multiple Organ
0

---

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+ ..Tissue examined microscopically
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X ..Lesion present
BLANK ..Not examined microscopically
I ..Insufficient tissue

Page 5
### DAY ON TEST

**B6C3F1 Mouse Male**

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

B6C3F1 Mouse Male
133.0  MG/KG

ANIMAL ID

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ  0

* ..Total animals with tissue examined microscopically; Total animals with tumor
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Experiment Number: 93022-02
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

Test Compound: 2,4-Decadienal
CAS Number: 25152-84-5

Date Report Requested: 10/23/2014
Time Report Requested: 03:07:01
First Dose M/F: NA / NA
Lab: MBA

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

DAY ON TEST | 0 | 0 | 0 | 0 | 0 |
B6C3F1 Mouse Male
400.0 MG/KG
ANIMAL ID | 0 | 0 | 0 | 0 | 0 |
| 7 | 7 | 7 | 7 | 7 |

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Page 8
Experiment Number: 93022-02
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 2,4-Decadienal
CAS Number: 25152-84-5

Date Report Requested: 10/23/2014
Time Report Requested: 03:07:01
First Dose M/F: NA / NA
Lab: MBA

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B6C3F1 Mouse Male
400.0 MG/KG

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*TOTALS

Respiratory System
NONE

Special Senses System
NONE

Urinary System
NONE

SYSTEMIC LESIONS

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A ..Autolysis precludes evaluation
M ..Missing tissue
I ..Insufficient tissue
X ..Lesion present
BLANK ..Not examined microscopically
**Experiment Number:** 93022-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**Test Compound:** 2,4-Decadienal  
**CAS Number:** 25152-84-5

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**B6C3F1 Mouse Male**  
**1200.0 MG/KG**

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**Alimentary System**

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

**Cardiovascular System**

**Endocrine System**

**General Body System**

**Genital System**

**Hematopoietic System**

- **Spleen**: A + 1

**Integumentary System**

**Musculoskeletal System**

**Nervous System**

---

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P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 2,4-Decadienal
CAS Number: 25152-84-5

Experiment Number: 93022-02
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

Date Report Requested: 10/23/2014
Time Report Requested: 03:07:01
First Dose M/F: NA / NA
Lab: MBA

Respiratory System
NONE

Special Senses System
NONE

Urinary System

Kidney
+ + + + +

SYSTEMIC LESIONS

Multiple Organ
+ + + + +

DAY ON TEST

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*TOTALS

NONE

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**B6C3F1 Mouse Male**

**3600.0 MG/KG**

### Alimentary System

- Intestine Large, Colon: +, 1
- Intestine Large, Rectum: +, 1
- Liver: + + + + +, 5
- Pancreas: + +, 2
- Stomach, Forestomach: + + + + +, 5

### Cardiovascular System

NONE

### Endocrine System

- Adrenal Cortex: M, 0
- Adrenal Medulla: M, 0

### General Body System

NONE

### Genital System

NONE

### Hematopoietic System

- Spleen: + +, 2

### Integumentary System

NONE

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P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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Date Report Requested: 10/23/2014
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Lab: MBA

Test Compound: 2,4-Decadienal
CAS Number: 25152-84-5

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**B6C3F1 Mouse Male**
**3600.0 MG/KG**

**DAYS ON TEST**

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**TOTALS**

**Musculoskeletal System**
NONE

**Nervous System**
NONE

**Respiratory System**
NONE

**Special Senses System**
NONE

**Urinary System**

**Kidney**

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**SYSTEMIC LESIONS**

**Multiple Organ**

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***END OF MALE DATA***
Experiment Number: 93022-02
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

Date Report Requested: 10/23/2014
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First Dose M/F: NA / NA
Lab: MBA

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: 2,4-Decadienal
CAS Number: 25152-84-5

B6C3F1 Mouse Female
0.0 MG/KG

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*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
NONE

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: 93022-02
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 2,4-Decadienal
CAS Number: 25152-84-5

Date Report Requested: 10/23/2014
Time Report Requested: 03:07:01
First Dose M/F: NA / NA
Lab: MBA

DAY ON TEST

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B6C3F1 Mouse Female

0.0 MG/KG

ANIMAL ID

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*TOTALS

NONE
Respiratory System
NONE
Special Senses System
NONE
Urinary System

Kidney

+ + + + + 5

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
BLANK ..Not examined microscopically
I ..Insufficient tissue
Experiment Number: 93022-02
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

<table>
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M ..Missing tissue
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Date Report Requested: 10/23/2014
Time Report Requested: 03:07:01
First Dose M/F: NA / NA
Lab: MBA
Experiment Number: 93022-02
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 2,4-Decadienal
CAS Number: 25152-84-5

Date Report Requested: 10/23/2014
Time Report Requested: 03:07:01
First Dose M/F: NA / NA
Lab: MBA

B6C3F1 Mouse Female
45.0 KG/KG

DAY ON TEST

B6C3F1 Mouse Female
45.0 KG/KG

ANIMAL ID

*TOTALS

Respiratory System
NONE

Special Senses System
NONE

Urinary System
NONE

SYSTEMIC LESIONS

Multiple Organ 0

* ..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 17
### DAY ON TEST

**B6C3F1 Mouse Female**

133.0  MG/KG

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* ..Total animals with tissue examined microscopically; Total animals with tumor  
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**Experiment Number:** 93022-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1  

**Test Compound:** 2,4-Decadienal  
**CAS Number:** 25152-84-5  

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 03:07:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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### DAY ON TEST

**B6C3F1 Mouse Female**  
**133.0  MG/KG**

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<th>URINARY SYSTEM</th>
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**SYSTEMIC LESIONS**

- **Multiple Organ:** 0

---

* ..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

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<th>Stomach, Forestomach</th>
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### 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

---

*TOTALS*

| 5 |
---|---|---|---|---|---|

* ..Total animals with tissue examined microscopically; Total animals with tumor
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Experiment Number: 93022-02
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Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 2,4-Decadienal
CAS Number: 25152-84-5

Date Report Requested: 10/23/2014
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First Dose M/F: NA / NA
Lab: MBA

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ANIMAL ID

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| 7 | 7 | 7 | 7 | 7 |

*TOTALS

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

#### Alimentary System

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#### Cardiovascular System

NONE

#### Endocrine System

NONE

#### General Body System

NONE

#### Genital System

NONE

#### Hematopoietic System

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#### Integumentary System

NONE

#### Musculoskeletal System

NONE

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* ..Total animals with tissue examined microscopically; Total animals with tumor  
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P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Experiment Number: 93022-02
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

Test Compound: 2,4-Decadienal
CAS Number: 25152-84-5

Date Report Requested: 10/23/2014
Time Report Requested: 03:07:01
First Dose M/F: NA / NA
Lab: MBA

**DAY ON TEST**

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**B6C3F1 Mouse Female**

**1200.0 MG/KG**

**ANIMAL ID**

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| 4         | 1 | 2 | 3 | 5 | **TOTALS**

**Nervous System**

NONE

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

Kidney

+ + + + + 5

**SYSTEMIC LESIONS**

Multiple Organ

+ + + + + 5

---

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
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Experiment Number: 93022-02
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Route: GAVAGE
Species/Strain: Mouse/B6C3F1

Test Compound: 2,4-Decadienal
CAS Number: 25152-84-5

Date Report Requested: 10/23/2014
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First Dose M/F: NA / NA
Lab: MBA

**Alimentary System**
- Gallbladder: + 1
- Liver: + + + + + 5
- Pancreas: + + 2
- Stomach, Forestomach: + + + + + 5

**Cardiovascular System**
- NONE

**Endocrine System**
- NONE

**General Body System**
- NONE

**Genital System**
- Ovary: + 1

**Hematopoietic System**
- Spleen: + M 1

**Integumentary System**
- NONE

**Musculoskeletal System**

* ..Total animals with tissue examined microscopically; Total animals with tumor
M ..Missing tissue
+ ..Tissue examined microscopically
A ..Autolysis precludes evaluation
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BLANK ..Not examined microscopically
**End of Report**