Experiment Number: 93022-01
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: 2,4-Decadienal
CAS Number: 25152-84-5

Date Report Requested: 10/18/2014
Time Report Requested: 15:38:17
First Dose M/F: NA / NA
Lab: MBA

C Number: C93022
Lock Date: 03/01/1996
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Both
PWG Approval Date: NONE
Experiment Number: 93022-01
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: 2,4-Decadienal
CAS Number: 25152-84-5

Date Report Requested: 10/18/2014
Time Report Requested: 15:38:17
First Dose M/F: NA / NA
Lab: MBA

F 344/N Rat Male
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**
- 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
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**F 344/N Rat Male**

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**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
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically
Experiment Number: 93022-01
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: 2,4-Decadienal
CAS Number: 25152-84-5

Date Report Requested: 10/18/2014
Time Report Requested: 15:38:17
First Dose M/F: NA / NA
Lab: MBA

DAY ON TEST
F 344/N Rat Male
45.0  MG/KG

ANIMAL ID

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* ..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
F 344/N Rat Male
45.0 MG/KG

DAY ON TEST

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
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically
DAY ON TEST

F 344/N Rat Male
133.0  MG/KG

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

* ..Total animals with tissue examined microscopically; Total animals with tumor
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Experiment Number: 93022-01
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: 2,4-Decadienal
CAS Number: 25152-84-5

Date Report Requested: 10/18/2014
Time Report Requested: 15:38:17
First Dose M/F: NA / NA
Lab: MBA

D A Y O N T E S T

F 344/N Rat Male
133.0  MG/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
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Experiment Number: 93022-01
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: 2,4-Decadienal
CAS Number: 25152-84-5

Date Report Requested: 10/18/2014
Time Report Requested: 15:38:17
First Dose M/F: NA / NA
Lab: MBA

F 344/N Rat Male
400.0 MG/KG

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* ..Total animals with tissue examined microscopically; Total animals with tumor
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X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically
Experiment Number: 93022-01
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 15:38:17
First Dose M/F: NA / NA
Lab: MBA

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F 344/N Rat Male
400.0  MG/KG

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*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
A ..Autolysis precludes evaluation
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
BLANK ..Not examined microscopically
## Experiment Number: 93022-01

**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N  

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

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 15:38:17  
**First Dose M/F:** NA / NA  
**Lab:** MBA

### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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#### F 344/N Rat Male

#### 1200.0 MG/KG

**ALIMENTARY SYSTEM**

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

**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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*..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
Experiment Number: 93022-01  
Test Type: 14-DAY  
Route: GAVAGE  
Species/Strain: Rat/F 344/N  

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|             | 1 | 2 | 3 | 4 | 5 |   |   |   |   |   |   |   |   |   |   |

*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  
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Experiment Number: 93022-01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

Date Report Requested: 10/18/2014

Time Report Requested: 15:38:17

Test Compound: 2,4-Decadienal

CAS Number: 25152-84-5

Lab: MBA

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

**DAY ON TEST**

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**F 344/N Rat Male**

**3600.0 MG/KG**

*TOTALS*

**Alimentary System**

- Intestine Small, Ileum: A 0
- Liver: + + + + + 5
- Stomach, Forestomach: + + + + + 5
- Stomach, Glandular: + 1

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

- Thymus: + 1

**Integumentary System**

- Skin: + M 1

**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
Experiment Number: 93022-01
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: 2,4-Decadienal
CAS Number: 25152-84-5

Date Report Requested: 10/18/2014
Time Report Requested: 15:38:17
First Dose M/F: NA / NA
Lab: MBA

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3 2 3 2 3

ANIMAL ID 0 0 0 0 0
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6 7 8 9 0
*TOTALS

Nervous System
NONE

Respiratory System
NONE

Special Senses System
NONE

Urinary System
Kidney + + + + A 4

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

Page 13
**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

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

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**F 344/N Rat Female**  
**0.0 MG/KG**

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*TOTALS*

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

**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  
A ..Autolysis precludes evaluation  
B ..Lesion present  
I ..Insufficient tissue  
M ..Missing tissue  
+ ..Tissue examined microscopically  
X ..Not examined microscopically
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**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
X ..Lesion present
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M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically
DAY ON TEST

F 344/N Rat Female
45.0 KG/KG

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

* 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:** 93022-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N  

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** 2,4-Decadienal  
**CAS Number:** 25152-84-5  

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 15:38:17  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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**F 344/N Rat Female**  
**45.0 KG/KG**

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<th>Special Senses System</th>
<th>Urinary System</th>
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**Note:**  
- *..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
Experiment Number: 93022-01
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: 2,4-Decadienal
CAS Number: 25152-84-5

Date Report Requested: 10/18/2014
Time Report Requested: 15:38:17
First Dose M/F: NA / NA
Lab: MBA

DAY ON TEST
F 344/N Rat Female
133.0 MG/KG

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

* ..Total animals with tissue examined microscopically; Total animals with tumor
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Page 18
Experiment Number: 93022-01
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Route: GAVAGE
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First Dose M/F: NA / NA
Lab: MBA

DAY ON TEST

F 344/N Rat Female
133.0  MG/KG

ANIMAL ID

Respiratory System
NONE

Special Senses System
NONE

Urinary System
NONE

SYSTEMIC LESIONS

Multiple Organ  0

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**ALIMENTARY SYSTEM**

- 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

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Page 20
### Experiment Number: 93022-01
### Test Type: 14-DAY
### Route: GAVAGE
### Species/Strain: Rat/F 344/N
### Test Compound: 2,4-Decadienal
### CAS Number: 25152-84-5
### Date Report Requested: 10/18/2014
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### First Dose M/F: NA / NA
### Lab: MBA

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

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*TOTALS*

**Respiratory System**

- **NONE**

**Special Senses System**

- **NONE**

**Urinary System**

- **NONE**

**SYSTEMIC LESIONS**

<table>
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* ..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:** 93022-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N  

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** 2,4-Decadienal  
**CAS Number:** 25152-84-5  

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

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**F 344/N Rat Female**  
**1200.0 MG/KG**

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**Alimentary System**

**Cardiovascular System**

**Endocrine System**

**General Body System**

**Genital System**

**Hematopoietic System**

**Integumentary System**

**Musculoskeletal System**

**Nervous System**

---

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+ ..Tissue examined microscopically  
X ..Lesion present  
I ..Insufficient tissue  
M ..Missing tissue  
A ..Autolysis precludes evaluation  
BLANK ..Not examined microscopically
**Respiratory System**

- None

**Special Senses System**

- None

**Urinary System**

- Kidney
  - None

**Systemic Lesions**

- Multiple Organ
  - 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:** 93022-01  
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**Species/Strain:** Rat/F 344/N  
**Test Compound:** 2,4-Decadienal  
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F 344/N Rat Female
3600.0 MG/KG

ANIMAL ID

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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

Thymus + + + 3

Integumentary System

Skin + + 2

Musculoskeletal System

NONE

Nervous System


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I ..Insufficient tissue
M ..Missing tissue
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BLANK ..Not examined microscopically
Experiment Number: 93022-01
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: 2,4-Decadienal
CAS Number: 25152-84-5

Date Report Requested: 10/18/2014
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Lab: MBA

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F 344/N Rat Female
3600.0 MG/KG

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Respiratory System
NONE

Special Senses System
NONE

Urinary System

Kidney + + + A + 4

SYSTEMIC LESIONS

Multiple Organ + + + + + 5

** END OF REPORT **

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