

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Date Report Requested: 10/18/2014
Time Report Requested: 15:38:02
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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/18/2014

Test Type: 14-DAY

Test Compound: 2,4-Decadienal

Time Report Requested: 15:38:02

Route: GAVAGE

CAS Number: 25152-84-5

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Male
0.0 MG/KG

| | | | | | | |
|-------------|---|---|---|---|---|---------|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 1 | 1 | 1 | 1 | 1 | |
| | 7 | 7 | 7 | 7 | 7 | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 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

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: 93022-01

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/18/2014

Test Type: 14-DAY

Test Compound: 2,4-Decadienal

Time Report Requested: 15:38:02

Route: GAVAGE

CAS Number: 25152-84-5

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Male
0.0 MG/KG

| | | | | | | |
|-------------|---|---|---|---|---|---------|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 1 | 1 | 1 | 1 | 1 | |
| | 7 | 7 | 7 | 7 | 7 | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 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

+ ..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

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

Date Report Requested: 10/18/2014
Time Report Requested: 15:38:02
First Dose M/F: NA / NA
Lab: MBA

DAY ON TEST

F 344/N Rat Male
45.0 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
+ ..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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 2,4-Decadienal

CAS Number: 25152-84-5

Date Report Requested: 10/18/2014

Time Report Requested: 15:38:02

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

F 344/N Rat Male

45.0 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

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

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

Date Report Requested: 10/18/2014
Time Report Requested: 15:38:02
First Dose M/F: NA / NA
Lab: MBA

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
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

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

Experiment Number: 93022-01

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/18/2014

Test Type: 14-DAY

Test Compound: 2,4-Decadienal

Time Report Requested: 15:38:02

Route: GAVAGE

CAS Number: 25152-84-5

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

DAY ON TEST

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

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 93022-01

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/18/2014

Test Type: 14-DAY

Test Compound: 2,4-Decadienal

Time Report Requested: 15:38:02

Route: GAVAGE

CAS Number: 25152-84-5

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Male
400.0 MG/KG

| | | | | | | |
|-------------|---|---|---|---|---|---------|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 1 | 1 | 1 | 1 | 1 | |
| | 7 | 7 | 7 | 7 | 7 | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 1 | 1 | 1 | 1 | 2 | |
| | 6 | 7 | 8 | 9 | 0 | *TOTALS |

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

* ..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: 93022-01

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/18/2014

Test Type: 14-DAY

Test Compound: 2,4-Decadienal

Time Report Requested: 15:38:02

Route: GAVAGE

CAS Number: 25152-84-5

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Male
400.0 MG/KG

| | | | | | | |
|-------------|---|---|---|---|---|---------|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 1 | 1 | 1 | 1 | 1 | |
| | 7 | 7 | 7 | 7 | 7 | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 1 | 1 | 1 | 1 | 2 | |
| | 6 | 7 | 8 | 9 | 0 | *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

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 93022-01

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/18/2014

Test Type: 14-DAY

Test Compound: 2,4-Decadienal

Time Report Requested: 15:38:02

Route: GAVAGE

CAS Number: 25152-84-5

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Male
1200.0 MG/KG

| | | | | | | |
|-------------|---|---|---|---|---|---------|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 1 | 1 | 1 | 1 | 1 | |
| | 7 | 7 | 7 | 7 | 7 | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 2 | 2 | 2 | 2 | 2 | |
| | 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

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: 93022-01

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/18/2014

Test Type: 14-DAY

Test Compound: 2,4-Decadienal

Time Report Requested: 15:38:02

Route: GAVAGE

CAS Number: 25152-84-5

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Male
1200.0 MG/KG

| | | | | | | |
|-------------|---|---|---|---|---|---------|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 1 | 1 | 1 | 1 | 1 | |
| | 7 | 7 | 7 | 7 | 7 | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 2 | 2 | 2 | 2 | 2 | |
| | 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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 93022-01

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/18/2014

Test Type: 14-DAY

Test Compound: 2,4-Decadienal

Time Report Requested: 15:38:02

Route: GAVAGE

CAS Number: 25152-84-5

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Male
3600.0 MG/KG

| | | | | | | |
|-------------|---|---|---|---|---|---------|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 2 | 2 | 3 | 3 | 3 | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 2 | 2 | 2 | 2 | 3 | |
| | 7 | 9 | 6 | 8 | 0 | *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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 93022-01

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/18/2014

Test Type: 14-DAY

Test Compound: 2,4-Decadienal

Time Report Requested: 15:38:02

Route: GAVAGE

CAS Number: 25152-84-5

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Male
3600.0 MG/KG

| | | | | | | |
|-------------|---|---|---|---|---|---------|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 2 | 2 | 3 | 3 | 3 | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 2 | 2 | 2 | 2 | 3 | |
| | 7 | 9 | 6 | 8 | 0 | *TOTALS |

NONE
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

Experiment Number: 93022-01

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/18/2014

Test Type: 14-DAY

Test Compound: 2,4-Decadienal

Time Report Requested: 15:38:02

Route: GAVAGE

CAS Number: 25152-84-5

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Female
0.0 MG/KG

| | | | | | | |
|-------------|---|---|---|---|---|---------|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 1 | 1 | 1 | 1 | 1 | |
| | 7 | 7 | 7 | 7 | 7 | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 3 | 3 | 3 | 3 | 3 | |
| | 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

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: 93022-01

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/18/2014

Test Type: 14-DAY

Test Compound: 2,4-Decadienal

Time Report Requested: 15:38:02

Route: GAVAGE

CAS Number: 25152-84-5

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Female
0.0 MG/KG

| | | | | | | |
|-------------|---|---|---|---|---|---------|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 1 | 1 | 1 | 1 | 1 | |
| | 7 | 7 | 7 | 7 | 7 | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 3 | 3 | 3 | 3 | 3 | |
| | 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

+ ..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

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

Date Report Requested: 10/18/2014
Time Report Requested: 15:38:02
First Dose M/F: NA / NA
Lab: MBA

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

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

Date Report Requested: 10/18/2014
Time Report Requested: 15:38:02
First Dose M/F: NA / NA
Lab: MBA

DAY ON TEST

F 344/N Rat 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

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

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

Date Report Requested: 10/18/2014
Time Report Requested: 15:38:02
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
+ ..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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 2,4-Decadienal

CAS Number: 25152-84-5

Date Report Requested: 10/18/2014

Time Report Requested: 15:38:02

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

F 344/N Rat Female

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Date Report Requested: 10/18/2014
 Time Report Requested: 15:38:02
 First Dose M/F: NA / NA
 Lab: MBA

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

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 |
|-------------|----------------|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 |
| | 7 | 7 | 7 | 7 | 7 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 |
| | 4 | 4 | 4 | 4 | 5 |
| | 6 | 7 | 8 | 9 | 0 |
| | *TOTALS | | | | |

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

* ..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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/18/2014

Test Type: 14-DAY

Test Compound: 2,4-Decadienal

Time Report Requested: 15:38:02

Route: GAVAGE

CAS Number: 25152-84-5

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Female
400.0 MG/KG

| | | | | | | |
|-------------|---|---|---|---|---|---------|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 1 | 1 | 1 | 1 | 1 | |
| | 7 | 7 | 7 | 7 | 7 | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 4 | 4 | 4 | 4 | 5 | |
| | 6 | 7 | 8 | 9 | 0 | *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

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 93022-01

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/18/2014

Test Type: 14-DAY

Test Compound: 2,4-Decadienal

Time Report Requested: 15:38:02

Route: GAVAGE

CAS Number: 25152-84-5

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Female
1200.0 MG/KG

| | | | | | | |
|-------------|---|---|---|---|---|---------|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 1 | 1 | 1 | 1 | 1 | |
| | 7 | 7 | 7 | 7 | 7 | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 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

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

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1200.0 MG/KG

| | | | | | | |
|-------------|---|---|---|---|---|---------|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 1 | 1 | 1 | 1 | 1 | |
| | 7 | 7 | 7 | 7 | 7 | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 5 | 5 | 5 | 5 | 5 | |
| | 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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

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Experiment Number: 93022-01

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Date Report Requested: 10/18/2014

Test Type: 14-DAY

Test Compound: 2,4-Decadienal

Time Report Requested: 15:38:02

Route: GAVAGE

CAS Number: 25152-84-5

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Female
3600.0 MG/KG

| | | | | | | |
|-------------|---|---|---|---|---|---------|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 2 | 2 | 3 | 3 | 3 | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 5 | 5 | 5 | 5 | 6 | |
| | 7 | 8 | 6 | 9 | 0 | *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

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

M ..Missing tissue

+ ..Tissue examined microscopically

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I ..Insufficient tissue

Experiment Number: 93022-01

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3600.0 MG/KG

| | | | | | | |
|-------------|---|---|---|---|---|---------|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 2 | 2 | 3 | 3 | 3 | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 5 | 5 | 5 | 5 | 6 | |
| | 7 | 8 | 6 | 9 | 0 | |
| | | | | | | *TOTALS |

NONE

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically