Species/Strain: Rat/F 344/N

Test Type: 90-DAY

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Milk thistle extract

CAS Number: 84604-20-6

Date Report Requested: 10/21/2014 Time Report Requested: 09:05:20

First Dose M/F: NA / NA

Lab: SRI

C Number: C20008

Lock Date: 11/08/2002

Cage Range: All

Date Range: All

Reasons For Removal:

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

PWG Approval Date NONE

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Milk thistle extract

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

CAS Number: 84604-20-6

Date Report Requested: 10/21/2014 Time Report Requested: 09:05:20

First Dose M/F: NA / NA

Lab: SRI

F 344/N Rat Male 0 PPM	DAY ON TEST ANIMAL ID	0 9 3 0 0 0 0	0 9 3 0 0 0 0 0	0 9 3 0 0 0 0 0 3	0 9 3 0 0 0 0 0 4	0 9 3 0 0 0 0 0 5	0 9 3 0 0 0 0 0 6	0 9 3 0 0 0 0 7	0 0 9 3 0 0 0 0 8	0 9 3 0 0 0 0 0	0 9 3 0 0 0 1	*TOTALS
Alimentary System												
Esophagus		+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum		+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon		+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum		+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum		+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum		+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum		+	+	+	+	+	+	+	+	+	+	10
Liver		+	+	+	+	+	+	+	+	+	+	10
Pancreas		+	+	+	+	+	+	+	+	+	+	10
Salivary Glands		+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular		+	+	+	+	+	+	+	+	+	+	10
Cardiovascular System												
Heart		+	+	+	+	+	+	+	+	+	+	10
Endocrine System												
Adrenal Cortex		+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla		+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland		+	+	+	+	+	+	+	+	+	+	10
Pituitary Gland		+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland		+	+	+	+	+	+	+	+	+	+	10

^{* ..}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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Milk thistle extract

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

CAS Number: 84604-20-6

Date Report Requested: 10/21/2014 Time Report Requested: 09:05:20

First Dose M/F: NA / NA

Lab: SRI

F 344/N Rat Male 0 PPM	DAY ON TEST	0 0 9 3										
	ANIMAL ID	0 0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5	0 0 0 0 6	0 0 0 0 7	0 0 0 0 8	0 0 0 0 9	0 0 0 1 0	*TOTALS
General Body System												
NONE Genital System												
Epididymis		+	+	+	+	+	+	+	+	+	+	10
Preputial Gland		+	+	+	+	+	+	+	+	+	+	10
Prostate		+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle		+	+	+	+	+	+	+	+	+	+	10
Testes		+	+	+	+	+	+	+	+	+	+	10
Hematopoietic System												
Bone Marrow		+	+	+	+	+	+	+	+	+	+	10
Lymph Node									+			1
Lymph Node, Mandibular		М	М	М	М	М	М	М	М	+	М	1
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	+	10
Spleen		+	+	+	+	+	+	+	+	+	+	10
Thymus		+	+	+	+	+	+	+	+	+	+	10
Integumentary System												
Mammary Gland		+	+	+	+	+	+	+	+	+	+	10
Skin		+	+	+	+	+	+	+	+	+	+	10
Musculoskeletal System												

Bone

10

^{* ..}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

Test Type: 90-DAY

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Milk thistle extract

Species/Strain: Rat/F 344/N CAS Number: 84604-20-6

Date Report Requested: 10/21/2014 Time Report Requested: 09:05:20

First Dose M/F: NA / NA

Lab: SRI

F 344/N Rat Male 0 PPM	DAY ON TEST ANIMAL ID	0 9 3 0 0 0 0	0 9 3 0 0 0 0 0	0 9 3 0 0 0 0 0 3	0 9 3 0 0 0 0 4	0 9 3 0 0 0 0 5	0 9 3 0 0 0 0 6	0 9 3 0 0 0 0 7	0 9 3 0 0 0 0 8	0 9 3 0 0 0 0	0 9 3 0 0 0 1	*TOTALS
Nervous System												
Brain Respiratory System		+	+	+	+	+	+	+	+	+	+	10
Lung		+	+	+	+	+	+	+	+	+	+	10
Nose		+	+	+	+	+	+	+	+	+	+	10
Trachea		+	+	+	+	+	+	+	+	+	+	10
Special Senses System												
Eye		+	+	+	+	+	+	+	+	+	+	10
Harderian Gland		+	+	+	+	+	+	+	+	+	+	10
Lacrimal Gland		+										1
Urinary System												
Kidney		+	+	+	+	+	+	+	+	+	+	10
Urinary Bladder		+	+	+	+	+	+	+	+	+	+	10
SYSTEMIC LESIONS												
Multiple Organ		+	+	+	+	+	+	+	+	+	+	10

X ..Lesion present

I ..Insufficient tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

M ..Missing tissue

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Milk thistle extract

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

CAS Number: 84604-20-6

Date Report Requested: 10/21/2014 Time Report Requested: 09:05:20

First Dose M/F: NA / NA

Lab: SRI

F 344/N	l Rat	Male
3125	PPM	

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
ANIIMAL ID	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0

*TOTALS

Alimentary System

Liver + 1

Cardiovascular System

Heart + + + + + + + + + + + 10

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Milk thistle extract

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

CAS Number: 84604-20-6

Date Report Requested: 10/21/2014 Time Report Requested: 09:05:20

First Dose M/F: NA / NA

Lab: SRI

F 344/N Rat Male 3125 PPM

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
V VIIIVAVI ID	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Milk thistle extract

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

CAS Number: 84604-20-6

Date Report Requested: 10/21/2014 Time Report Requested: 09:05:20

First Dose M/F: NA / NA

Lab: SRI

F 344/N Rat Male 6250 PPM	DAY ON TEST ANIMAL ID	0 9 3 0 0 0 2 1	0 9 3 0 0 0 2 2	0 9 3 0 0 0 2 3	0 9 3 0 0 0 2 4	0 9 3 0 0 0 2 5	0 9 3 0 0 0 2 6	0 9 3 0 0 0 2 7	0 9 3 0 0 0 2 8	0 9 3 0 0 0 2 9	0 9 3 0 0 0 3 0	*TOTALS
Alimentary System Liver Cardiovascular System		+	+	+	+	+	+	+	+	+	+	10
Heart Endocrine System		+	+	+	+	+	+	+	+	+	+	10
NONE General Body System												
NONE Genital System												
NONE Hematopoietic System												
NONE Integumentary System												
Skin Musculoskeletal System		+										1
NONE												

Nervous System

NONE

M ..Missing tissue

A ..Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Milk thistle extract

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

CAS Number: 84604-20-6

Date Report Requested: 10/21/2014 Time Report Requested: 09:05:20

First Dose M/F: NA / NA

Lab: SRI

	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
F 344/N Rat Male		0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	1
6250 PPM		3	3	3	3	3	3	3	3	3	3	1
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	İ
	ANIIVIAL ID	0	0	0	0	0	0	0	0	0	0	İ
		0	0	0	0	0	0	0	0	0	0	İ
		2	2	2	2	2	2	2	2	2	3	
		1	2	3	4	5	6	7	8	9	0	*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

Kidney + + + + + + + + + + + + + + 10 **SYSTEMIC LESIONS**

Multiple Organ

+ + + + + + + + + + 10

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Milk thistle extract

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

CAS Number: 84604-20-6

Date Report Requested: 10/21/2014 Time Report Requested: 09:05:20

First Dose M/F: NA / NA

Lab: SRI

| F 344/N | l Rat Male |
|---------|------------|
| 12500 | PPM |

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| V V I I V V V V V V V V V V V V V V V V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

*TOTALS

Alimentary System

Cardiovascular System

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Milk thistle extract

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

CAS Number: 84604-20-6

Date Report Requested: 10/21/2014 Time Report Requested: 09:05:20

First Dose M/F: NA / NA

Lab: SRI

| | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|------------------|------------------------|---|---|---|---|---|---|---|---|---|---|---------|
| F 344/N Rat Male | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| r 344/N Nat Wate | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | |
| 12500 PPM | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | A N II M A A I I I I I | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | ***** |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | *TOTALS |

Respiratory System

NONE

Special Senses System

NONE

Urinary System

Kidney + + + + + + + + + + + + + + 10 **SYSTEMIC LESIONS**

Multiple Organ

+ + + + + + + + + 10

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Milk thistle extract

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

CAS Number: 84604-20-6

Date Report Requested: 10/21/2014 Time Report Requested: 09:05:20

First Dose M/F: NA / NA

Lab: SRI

| F 344/N | I Rat Male |
|---------|------------|
| 25000 | PPM |

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| ANIIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

*TOTALS

Alimentary System

Cardiovascular System

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Milk thistle extract

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

CAS Number: 84604-20-6

Date Report Requested: 10/21/2014 Time Report Requested: 09:05:21

First Dose M/F: NA / NA

Lab: SRI

| | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|-------------------|--------------------|---|---|---|---|---|---|---|---|---|---|---------|
| F 344/N Rat Male | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| r 344/IN Nat Male | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | |
| 25000 PPM | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | V V II V V V I I I | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | *TOTALS |

Respiratory System

NONE

Special Senses System

NONE

Urinary System

Multiple Organ + + + + + + + + + + + 10

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Milk thistle extract

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

CAS Number: 84604-20-6

Date Report Requested: 10/21/2014 Time Report Requested: 09:05:21

First Dose M/F: NA / NA

Lab: SRI

| F 344/N Rat Male
50000 PPM | DAY ON TEST ANIMAL ID | 0
9
3
0
0
0
5
1 | 0
9
3
0
0
0
5
2 | 0
9
3
0
0
0
5
3 | 0
9
3
0
0
0
5
4 | 0
9
3
0
0
0
5
5 | 0
9
3
0
0
0
5
6 | 0
9
3
0
0
0
5
7 | 0
9
3
0
0
0
5
8 | 0
9
3
0
0
0
5
9 | 0
9
3
0
0
0
6
0 | *TOTALS |
|--|------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|----------|
| Facilities | | | | | | | | | | | | 40 |
| Esophagus | | + | + | + | + | + | + | + | + | + | + | 10
10 |
| Intestine Large, Cecum | | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Colon Intestine Large, Rectum | | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Duodenum | | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Ileum | | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Jejunum | | + | + | + | + | + | + | + | + | + | + | 10 |
| Liver | | + | + | + | + | + | + | + | + | + | + | 10 |
| Pancreas | | + | + | + | + | + | + | + | + | + | + | 10 |
| Salivary Glands | | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Forestomach | | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Glandular | | + | + | + | + | + | + | + | + | + | + | 10 |
| Cardiovascular System | | | | | | | | | | | | |
| Heart | | + | + | + | + | + | + | + | + | + | + | 10 |
| Endocrine System | | | | | | | | | | | | |
| Adrenal Cortex | | + | + | + | + | + | + | + | + | + | + | 10 |
| Adrenal Medulla | | + | + | + | + | + | + | + | + | + | + | 10 |
| Parathyroid Gland | | + | + | + | + | + | + | + | + | + | + | 10 |
| Pituitary Gland | | + | + | + | + | + | + | + | + | + | + | 10 |
| Thyroid Gland | | + | + | + | + | + | + | + | + | + | + | 10 |

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Milk thistle extract

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

CAS Number: 84604-20-6

Date Report Requested: 10/21/2014 Time Report Requested: 09:05:21

First Dose M/F: NA / NA

Lab: SRI

| F 344/N Rat Male
50000 PPM | DAY ON TEST | 0
9
3
0
0
0
5
1 | 0
9
3
0
0
0
5
2 | 0
9
3
0
0
0
5
3 | 0
9
3
0
0
0
5
4 | 0
9
3
0
0
0
5
5 | 0
9
3
0
0
0
5
6 | 0
9
3
0
0
0
5
7 | 0
9
3
0
0
0
5
8 | 0
9
3
0
0
0
5
9 | 0
9
3
0
0
0
6
0 | *TOTALS |
|-------------------------------|-------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|---------|
| General Body System NONE | | | | | | | | | | | | |
| Genital System | | | | | | | | | | | | |

| Epididymis | + | + | + | + | + | + | + | + | + | + | 10 |
|------------------------|---|---|---|---|---|---|---|---|---|---|----|
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | 10 |
| Prostate | + | + | + | + | + | + | + | + | + | + | 10 |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | 10 |
| Testes | + | + | + | + | + | + | + | + | + | + | 10 |
| Hematopoietic System | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | 10 |
| Lymph Node | | + | | | | | | | | | 1 |
| Lymph Node, Mandibular | M | М | М | М | М | М | М | М | М | M | 0 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | 10 |
| Spleen | + | + | + | + | + | + | + | + | + | + | 10 |
| Thymus | + | + | + | + | + | + | + | + | + | + | 10 |
| Integumentary System | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | 10 |
| Skin | + | + | + | + | + | + | + | + | + | + | 10 |
| Musculoskeletal System | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | 10 |

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Test Type: 90-DAY

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Milk thistle extract

Species/Strain: Rat/F 344/N CAS Number: 84604-20-6

Date Report Requested: 10/21/2014 Time Report Requested: 09:05:21

First Dose M/F: NA / NA

Lab: SRI

| F 344/N Rat Male
50000 PPM | DAY ON TEST | 9
3 | 0
0
9
3 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ANIMAL ID | 0
0
0
5
1 | 0
0
0
5
2 | 0
0
0
5
3 | 0
0
0
5
4 | 0
0
0
5
5 | 0
0
0
5
6 | 0
0
0
5
7 | 0
0
0
5
8 | 0
0
0
5
9 | 0
0
0
6
0 | *TOTALS |
| Nervous System | | | | | | | | | | | | |
| Brain
Respiratory System | | + | + | + | + | + | + | + | + | + | + | 10 |
| Lung | | + | + | + | + | + | + | + | + | + | + | 10 |
| Nose | | + | + | + | + | + | + | + | + | + | + | 10 |
| Trachea | | + | + | + | + | + | + | + | + | + | + | 10 |
| Special Senses System | | | | | | | | | | | | |
| Eye | | + | + | + | + | + | + | + | + | + | + | 10 |
| Harderian Gland | | + | + | + | + | + | + | + | + | + | + | 10 |
| Lacrimal Gland | | | | | | | | | | + | | 1 |
| Urinary System | | | | | | | | | | | | |
| Kidney | | + | + | + | + | + | + | + | + | + | + | 10 |
| Urinary Bladder | | + | + | + | + | + | + | + | + | + | + | 10 |
| SYSTEMIC LESIONS | | | | | | | | | | | | |
| Multiple Organ | | + | + | + | + | + | + | + | + | + | + | 10 |
| | | | | | | | | *** | ENE | 0 0 | FΝ | IALE DATA*** |

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Milk thistle extract

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

CAS Number: 84604-20-6

Date Report Requested: 10/21/2014 Time Report Requested: 09:05:21

First Dose M/F: NA / NA

Lab: SRI

| F 344/N Rat Female 0 PPM Alimentary System | DAY ON TEST ANIMAL ID | 0
9
3
0
0
0
6
1 | 0
9
3
0
0
0
6
2 | 0
9
3
0
0
0
6
3 | 0
9
3
0
0
0
6
4 | 0
9
3
0
0
0
6
5 | 0
9
3
0
0
0
6
6 | 0
9
3
0
0
0
6
7 | 0
9
3
0
0
0
6
8 | 0
9
3
0
0
0
6
9 | 0
9
3
0
0
0
7
0 | *TOTALS |
|---|------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|---------|
| | | | | | | | | | | | | |
| Esophagus | | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Cecum | | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Colon | | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Rectum | | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Duodenum | | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Ileum | | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Jejunum | | + | + | + | + | + | + | + | + | + | + | 10 |
| Liver | | + | + | + | + | + | + | + | + | + | + | 10 |
| Pancreas | | + | + | + | + | + | + | + | + | + | + | 10 |
| Salivary Glands | | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Forestomach | | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Glandular | | + | + | + | + | + | + | + | + | + | + | 10 |
| Tooth | | | | | + | | | | | | | 1 |
| Cardiovascular System | | | | | | | | | | | | |
| Heart | | + | + | + | + | + | + | + | + | + | + | 10 |
| Endocrine System | | | | | | | | | | | | |
| Adrenal Cortex | | + | + | + | + | + | + | + | + | + | + | 10 |
| Adrenal Medulla | | + | + | + | + | + | + | + | + | + | + | 10 |
| Parathyroid Gland | | + | + | + | + | + | + | + | + | + | + | 10 |
| Pituitary Gland | | + | + | + | + | + | + | + | + | + | + | 10 |

M ..Missing tissue

A .. Autolysis precludes evaluation

 $^{^{\}star}\,$..Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Milk thistle extract

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

CAS Number: 84604-20-6

Date Report Requested: 10/21/2014 Time Report Requested: 09:05:21

First Dose M/F: NA / NA

Lab: SRI

| F 344/N Rat Female
0 PPM | DAY ON TEST ANIMAL ID | 0
9
3
0
0
0
6
1 | 0
9
3
0
0
0
6
2 | 0
9
3
0
0
0
6
3 | 0
9
3
0
0
0
6
4 | 0
9
3
0
0
0
6
5 | 0
9
3
0
0
0
6
6 | 0
9
3
0
0
0
6
7 | 0
9
3
0
0
0
6
8 | 0
9
3
0
0
0
6
9 | 0
9
3
0
0
0
7 | *TOTALS |
|-----------------------------|------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|---------------------------------|---------|
| Thyroid Gland | | + | + | + | + | + | + | + | + | + | + | 10 |
| General Body System | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | |
| Genital System | | | | | | | | | | | | |
| Clitoral Gland | | + | + | + | + | + | + | + | + | + | + | 10 |
| Ovary | | + | + | + | + | + | + | + | + | + | + | 10 |
| Uterus | | + | + | + | + | + | + | + | + | + | + | 10 |
| Hematopoietic System | | | | | | | | | | | | |
| Bone Marrow | | + | + | + | + | + | + | + | + | + | + | 10 |
| Lymph Node | | | | | + | | | | | | | 1 |
| Lymph Node, Mandibular | | M | М | М | М | М | М | + | М | + | M | 2 |
| Lymph Node, Mesenteric | | + | + | + | + | + | + | + | + | + | + | 10 |
| Spleen | | + | + | + | + | + | + | + | + | + | + | 10 |
| Thymus | | + | + | + | + | + | + | + | + | + | + | 10 |
| Integumentary System | | | | | | | | | | | | |
| Mammary Gland | | + | + | + | + | + | + | + | + | + | + | 10 |
| Skin | | + | + | + | + | + | + | + | + | + | + | 10 |
| Musculoskeletal System | | | | | | | | | | | | |
| Bone | | + | + | + | + | + | + | + | + | + | + | 10 |

 $^{^{\}star}\,$..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

Test Type: 90-DAY

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Milk thistle extract

Species/Strain: Rat/F 344/N CAS Number: 84604-20-6

Date Report Requested: 10/21/2014 Time Report Requested: 09:05:21

First Dose M/F: NA / NA

Lab: SRI

| F 344/N Rat Female
0 PPM | DAY ON TEST | 0
9
3
0
0
0
6
1 | 0
9
3
0
0
0
6
2 | 0
9
3
0
0
0
6
3 | 0
9
3
0
0
0
6
4 | 0
9
3
0
0
0
6
5 | 0
9
3
0
0
0
6
6 | 0
9
3
0
0
0
6
7 | 0
9
3
0
0
0
6
8 | 0
9
3
0
0
0
6
9 | 0
9
3
0
0
0
7
0 | *TOTALS |
|----------------------------------|-------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|---------|
| Nervous System | | | • | | | • | • | • | • | • | • | |
| Brain
Respiratory System | | + | + | + | + | + | + | + | + | + | + | 10 |
| Lung | | + | + | + | + | + | + | + | + | + | + | 10 |
| Nose | | + | + | + | + | + | + | + | + | + | + | 10 |
| Trachea | | + | + | + | + | + | + | + | + | + | + | 10 |
| Special Senses System | | | | | | | | | | | | |
| Eye | | + | + | + | + | + | + | + | + | + | + | 10 |
| Harderian Gland | | + | + | + | + | + | + | + | + | + | + | 10 |
| Urinary System | | | | | | | | | | | | |
| Kidney | | + | + | + | + | + | + | + | + | + | + | 10 |
| Urinary Bladder SYSTEMIC LESIONS | | + | + | + | + | + | + | + | + | + | + | 10 |
| Multiple Organ | | + | + | + | + | + | + | + | + | + | + | 10 |

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Milk thistle extract

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

CAS Number: 84604-20-6

Date Report Requested: 10/21/2014 Time Report Requested: 09:05:21

First Dose M/F: NA / NA

Lab: SRI

| F 344/ | N Rat I | Female |
|--------|---------|--------|
| 3125 | PPM | |

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---------------|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| V VIII VVI ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

*TOTALS

Alimentary System

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

Clitoral Gland + 1
Uterus + 1

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

I .. Insufficient tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

M ..Missing tissue

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Type: 90-DAY

Test Compound: Milk thistle extract

Species/Strain: Rat/F 344/N

CAS Number: 84604-20-6

Date Report Requested: 10/21/2014
Time Report Requested: 09:05:21

First Dose M/F: NA / NA

Lab: SRI

F 344/N Rat Female 3125 PPM

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AMINAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

*TOTALS

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Milk thistle extract

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

CAS Number: 84604-20-6

Date Report Requested: 10/21/2014 Time Report Requested: 09:05:21

First Dose M/F: NA / NA

Lab: SRI

| F 344/N Rat Female
6250 PPM | DAY ON TEST ANIMAL ID | 0
9
3
0
0
0
8
1 | 0
9
3
0
0
0
8
2 | 0
9
3
0
0
0
8
3 | 0
9
3
0
0
0
8
4 | 0
9
3
0
0
0
8
5 | 0
9
3
0
0
0
8
6 | 0
9
3
0
0
0
8
7 | 0
9
3
0
0
0
8
8 | 0
9
3
0
0
0
8
9 | 0
9
3
0
0
0
9
0 | *TOTALS |
|---|------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|----------|
| Alimentary System Liver Salivary Glands Cardiovascular System | | + | + | + | + | + | + | + | + | + | + | 10
10 |
| NONE Endocrine System | | | | | | | | | | | | |
| NONE General Body System | | | | | | | | | | | | |
| NONE
Genital System | | | | | | | | | | | | |
| Clitoral Gland Hematopoietic System | | | | | | | | | + | | | 1 |
| Lymph Node Integumentary System | | | | | + | + | | | | | | 2 |
| 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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Type: 90-DAY

Test Compound: Milk thistle extract

Species/Strain: Rat/F 344/N

CAS Number: 84604-20-6

Date Report Requested: 10/21/2014
Time Report Requested: 09:05:21

First Dose M/F: NA / NA

Lab: SRI

F 344/N Rat Female 6250 PPM

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---------------|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| V VIIIVAVI ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

*TOTALS

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Milk thistle extract

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

CAS Number: 84604-20-6

Date Report Requested: 10/21/2014 Time Report Requested: 09:05:21

First Dose M/F: NA / NA

Lab: SRI

| F 344/N Rat Female
12500 PPM | DAY ON TEST ANIMAL ID | 0
9
3
0
0
0
9
1 | 0
9
3
0
0
0
9
2 | 0
9
3
0
0
0
9
3 | 0
9
3
0
0
0
0
9
4 | 0
9
3
0
0
0
9
5 | 0
9
3
0
0
0
9
6 | 0
9
3
0
0
0
9
7 | 0
9
3
0
0
0
9
8 | 0
9
3
0
0
0
9
9 | 0
9
3
0
0
1
0
0 | *TOTALS |
|---|------------------------|--------------------------------------|--------------------------------------|--------------------------------------|---|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|----------|
| Alimentary System | | | | | | | | | | | | |
| Liver
Salivary Glands
Cardiovascular System | | + | + | + | | + | | | | + | + | 10
10 |
| NONE
Endocrine System | | | | | | | | | | | | |
| NONE General Body System | | | | | | | | | | | | |
| NONE
Genital System | | | | | | | | | | | | |
| Clitoral Gland
Uterus
Hematopoietic System | | | | | | + | + | | | + | | 1 2 |

I .. Insufficient tissue

Lymph Node

NONE

NONE

Integumentary System

Musculoskeletal System

M ..Missing tissue

1

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Type: 90-DAY

Test Compound: Milk thistle extract

Species/Strain: Rat/F 344/N

CAS Number: 84604-20-6

Time Report Requested: 09:05:21

Date Report Requested: 10/21/2014

First Dose M/F: NA / NA

Lab: SRI

| F 344/N | Rat Female |
|---------|------------|
| 12500 | PPM |

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---------------|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| V VIIIVAVI ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

*TOTALS

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Milk thistle extract

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

CAS Number: 84604-20-6

Date Report Requested: 10/21/2014 Time Report Requested: 09:05:21

First Dose M/F: NA / NA

Lab: SRI

| F 344/N | Rat Female |
|---------|------------|
| 25000 | PPM |

| DAY ON TEST | 0 | 0 | n | 0 | 0 | a | 0 | 0 | a | 0 |
|--------------|---|---|---|---|---|---|---|---|---|---|
| DATI ON ILOT | o | o | o | o | o | o | o | o | o | o |
| | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AMIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

*TOTALS

Alimentary System

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Type: 90-DAY

Test Compound: Milk thistle extract

Species/Strain: Rat/F 344/N

CAS Number: 84604-20-6

Date Report Requested: 10/21/2014 Time Report Requested: 09:05:21

First Dose M/F: NA / NA

Lab: SRI

F 344/N Rat Female 25000 PPM

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AMIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

*TOTALS

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Milk thistle extract

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

CAS Number: 84604-20-6

Date Report Requested: 10/21/2014 Time Report Requested: 09:05:21

First Dose M/F: NA / NA

Lab: SRI

| F 344/N Rat Female
50000 PPM | DAY ON TEST ANIMAL ID | 0
9
3
0
0
1
1 | 0
9
3
0
0
1
1
2 | 0
9
3
0
0
1
1
3 | 0
9
3
0
0
1
1
4 | 0
9
3
0
0
1
1
5 | 0
9
3
0
0
1
1
6 | 0
9
3
0
0
1
1
7 | 0
9
3
0
0
1
1
8 | 0
9
3
0
0
1
1
9 | 0
9
3
0
0
1
2 | *TOTALS |
|---------------------------------|------------------------|---------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|---------------------------------|---------|
| Alimentary System | | | | | | | | | | | | |
| Esophagus | | + | + | + | М | + | + | + | + | + | + | 9 |
| Intestine Large, Cecum | | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Colon | | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Rectum | | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Duodenum | | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Ileum | | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Jejunum | | + | + | + | + | + | + | + | + | + | + | 10 |
| Liver | | + | + | + | + | + | + | + | + | + | + | 10 |
| Pancreas | | + | + | + | + | + | + | + | + | + | + | 10 |
| Salivary Glands | | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Forestomach | | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Glandular | | + | + | + | + | + | + | + | + | + | + | 10 |
| Cardiovascular System | | | | | | | | | | | | |
| Heart | | + | + | + | + | + | + | + | + | + | + | 10 |
| Endocrine System | | | | | | | | | | | | |
| Adrenal Cortex | | + | + | + | + | + | + | + | + | + | + | 10 |
| Adrenal Medulla | | + | + | + | + | + | + | + | + | + | + | 10 |
| Parathyroid Gland | | + | + | + | + | + | + | + | + | + | + | 10 |
| Pituitary Gland | | 1 | + | + | + | + | + | + | + | + | + | 9 |
| Thyroid Gland | | + | + | + | + | + | + | + | + | + | + | 10 |

A .. Autolysis precludes evaluation

 $^{^{\}star}\,$..Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Milk thistle extract

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

CAS Number: 84604-20-6

Date Report Requested: 10/21/2014 Time Report Requested: 09:05:21

First Dose M/F: NA / NA

Lab: SRI

| F 344/N Rat Female
50000 PPM | DAY ON TEST ANIMAL ID | 0
9
3
0
0
1
1 | 0
9
3
0
0
1
1
2 | 0
9
3
0
0
1
1
3 | 0
9
3
0
0
1
1
4 | 0
9
3
0
0
1
1
5 | 0
9
3
0
0
1
1
6 | 0
9
3
0
0
1
1 | 0
9
3
0
0
1
1
8 | 0
9
3
0
0
1
1 | 0
9
3
0
0
1
2 | *TOTALS |
|---------------------------------|------------------------|---------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|---------------------------------|--------------------------------------|---------------------------------|---------------------------------|---------|
| General Body System | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | |
| Genital System | | | | | | | | | | | | |
| Clitoral Gland | | + | + | + | + | + | + | + | + | + | + | 10 |
| Ovary | | + | + | + | + | + | + | + | + | + | + | 10 |
| Uterus | | + | + | + | + | + | + | + | + | + | + | 10 |
| Hematopoietic System | | | | | | | | | | | | |
| Bone Marrow | | + | + | + | + | + | + | + | + | + | + | 10 |
| Lymph Node, Mandibular | | Μ | M | М | М | + | М | М | M | М | М | 1 |
| Lymph Node, Mesenteric | | + | + | + | + | + | + | + | + | + | + | 10 |
| Spleen | | + | + | + | + | + | + | + | + | + | + | 10 |
| Thymus | | + | + | + | + | + | + | + | + | + | + | 10 |
| Integumentary System | | | | | | | | | | | | |
| Mammary Gland | | + | + | + | + | + | + | + | + | + | + | 10 |
| Skin | | + | + | + | + | + | + | + | + | + | + | 10 |
| Musculoskeletal System | | | | | | | | | | | | |
| Bone | | + | + | + | + | + | + | + | + | + | + | 10 |
| Nervous System | | | | | | | | | | | | |

Brain

10

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^{+ ..}Tissue examined microscopically

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Lab: SRI

| F 344/N Rat Female
50000 PPM | DAY ON TEST ANIMAL ID | 0
9
3
0
0
1
1 | 0
9
3
0
0
1
1
2 | 0
9
3
0
0
1
1
3 | 0
9
3
0
0
1
1
4 | 0
9
3
0
0
1
1
5 | 0
9
3
0
0
1
1
6 | 0
9
3
0
0
1
1 | 0
9
3
0
0
1
1
8 | 0
9
3
0
0
1
1
9 | 0
9
3
0
0
1
2 | *TOTALS |
|---------------------------------|------------------------|---------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|---------------------------------|--------------------------------------|--------------------------------------|---------------------------------|-----------|
| Respiratory System | | | | | | | | | | | | |
| Lung | | + | + | + | + | + | + | + | + | + | + | 10 |
| Nose | | + | + | + | + | + | + | + | + | + | + | 10 |
| Trachea | | + | + | + | + | + | + | + | + | + | + | 10 |
| Special Senses System | | | | | | | | | | | | |
| Eye | | + | + | + | + | + | + | + | + | + | + | 10 |
| Harderian Gland | | + | + | + | + | + | + | + | + | + | + | 10 |
| Urinary System | | | | | | | | | | | | |
| Kidney | | + | + | + | + | + | + | + | + | + | + | 10 |
| Urinary Bladder | | + | + | + | + | + | + | + | + | + | + | 10 |
| SYSTEMIC LESIONS | | | | | | | | | | | | |
| Multiple Organ | | + | + | + | + | + | + | + | + | + | + | 10 |
| | | | | | | | | * | * E1 | ND | OF | REPORT ** |

I .. Insufficient tissue

 $^{^{\}star}\,$..Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

M ..Missing tissue

A .. Autolysis precludes evaluation