

**Experiment Number:** 20702 - 02

**Test Type:** 90-DAY

**Route:** DOSED FEED

**Species/Strain:** MICE/B6C3F1/NCTR

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

Usnea Lichen

**CAS Number:** USNEALICHEN

**Date Report Requested:** 12/03/2020

**Time Report Requested:** 12:51:12

**First Dose M/F:** 02/13/09 / 02/13/09

**Lab:** NCTR

**NTP Study Number:** C20702

**Lock Date:** 07/01/2013

**Cage Range:** ALL

**Date Range:** ALL

**Reasons For Removal:** ALL

**Removal Date Range:** ALL

**Treatment Groups:** Include ALL

**Study Gender:** Both

**TDMSE Version:** 3.0.2.3\_002

**PWG Approval Date:** NONE

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	DAY ON TEST												
		0 0 9 5											
C57BL/6N XC3H/HEN MTV-NCTR MICE MALE Control 0 PPM	ANIMAL ID	0 0 2 1	0 0 2 2	0 0 4 5	0 0 4 6	0 0 6 5	0 0 6 6	0 0 8 9	0 0 9 9	0 0 9 9	0 0 9 9	0 0 9 9	
		* TOTALS											

## ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	10
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	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

\* .. 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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Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE Control 0 PPM	DAY ON TEST	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
ANIMAL ID		9	9	9	9	9	9	9	9	9	9
		5	5	5	5	5	5	5	5	5	5
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		2	2	4	4	6	6	8	9	9	9
		1	2	5	6	5	6	9	0	7	8
		* TOTALS									
Blood Vessel		+	+	+	+	+	+	+	+	+	10
Heart		+	+	+	+	+	+	+	+	+	10
<b>ENDOCRINE SYSTEM</b>											
Adrenal Cortex		+	+	+	+	+	+	+	+	+	10
Adrenal Medulla		+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic		+	+	+	+	+	+	+	+	+	10
Parathyroid Gland		+	+	+	+	+	+	+	+	+	10
Pituitary Gland		+	+	+	+	+	+	+	+	+	10
Thyroid Gland		+	+	+	+	+	+	+	+	+	10
<b>GENERAL BODY SYSTEM</b>											
NONE											
<b>GENITAL SYSTEM</b>											
Epididymis		+	+	+	+	+	+	+	+	+	10
Preputial Gland		+	+	+	+	+	+	+	+	+	10
Prostate		+	+	+	+	+	+	+	+	+	10

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	DAY ON TEST													* TOTALS													
		0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5																						
C57BL/6N XC3H/HEN MTV-NCTR MICE MALE Control 0 PPM	ANIMAL ID	0 0 0 0 0 2 1	0 0 0 0 0 2 2	0 0 0 0 0 4 5	0 0 0 0 0 4 6	0 0 0 0 0 6 6	0 0 0 0 0 8 9	0 0 0 0 0 9 0	0 0 0 0 0 9 7	0 0 0 0 0 9 8																	
		+												10													
		+												10													
		<b>HEMATOPOIETIC SYSTEM</b>																									
		Bone Marrow												10													
		Lymph Node, Mandibular												10													
<b>INTEGUMENTARY SYSTEM</b>																											
Mammary Gland																											
Skin																											
<b>MUSCULOSKELETAL SYSTEM</b>																											
Bone, Femur																											
<b>NERVOUS SYSTEM</b>																											
Brain, Brain Stem																											

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+ .. Tissue examined microscopically

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First Dose M/F: 02/13/09 / 02/13/09

Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE Control 0 PPM	DAY ON TEST													
		0 0 9 5	0 0 9 5											
ANIMAL ID	0 0 0 2 1	0 0 0 2 2	0 0 0 4 5	0 0 0 4 6	0 0 0 6 6	0 0 0 8 9	0 0 0 9 9	0 0 0 9 9	0 0 0 7 8	0 0 0 0 0	0 0 0 0 0	* TOTALS		
Brain, Cerebellum		+ + + + + + + + + + +												10
Brain, Cerebrum		+ + + + + + + + + + +												10
<b>RESPIRATORY SYSTEM</b>														
Lung		+ + + + + + + + + + +												10
Nose		+ + + + + + + + + + +												10
Trachea		+ + + + + + + + + + +												10
<b>SPECIAL SENSES SYSTEM</b>														
Eye		+ + + + + + + + + + +												10
Harderian Gland		+ + + + + + + + + + +												10
<b>URINARY SYSTEM</b>														
Kidney		+ + + + + + + + + + +												10
Urinary Bladder		+ + + + + + + + + + +												10
<b>SYSTEMIC LESIONS</b>														
Multiple Organ		+ + + + + + + + + + +												10

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**First Dose M/F:** 02/13/09 / 02/13/09

**Lab:** NCTR

---

DAY ON TEST

**C57BL/6N XC3H/HEN MTV-NCTR**

**MICE MALE**

**USNEA 15 PPM**

ANIMAL ID

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\* **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

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

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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**Lab:** NCTR

DAY ON TEST

**C57BL/6N XC3H/HEN MTV-NCTR**

**MICE MALE**

**USNEA 15 PPM**

ANIMAL ID

\* **TOTALS**

**NERVOUS SYSTEM**

NONE

**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

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**Test Type:** 90-DAY

**Route:** DOSED FEED

**Species/Strain:** MICE/B6C3F1/NCTR

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**First Dose M/F:** 02/13/09 / 02/13/09

**Lab:** NCTR

DAY ON TEST

**C57BL/6N XC3H/HEN MTV-NCTR**

**MICE MALE**

**USNEA 30 PPM**

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

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

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**First Dose M/F:** 02/13/09 / 02/13/09

**Lab:** NCTR

DAY ON TEST

**C57BL/6N XC3H/HEN MTV-NCTR**

**MICE MALE**

**USNEA 30 PPM**

ANIMAL ID

\* **TOTALS**

**NERVOUS SYSTEM**

NONE

**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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**First Dose M/F:** 02/13/09 / 02/13/09

**Lab:** NCTR

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DAY ON TEST

**C57BL/6N XC3H/HEN MTV-NCTR**

**MICE MALE**

**USNEA 60 PPM**

ANIMAL ID

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\* **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

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

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**First Dose M/F:** 02/13/09 / 02/13/09

**Lab:** NCTR

DAY ON TEST

**C57BL/6N XC3H/HEN MTV-NCTR**

**MICE MALE**

**USNEA 60 PPM**

ANIMAL ID

\* **TOTALS**

**NERVOUS SYSTEM**

NONE

**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

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First Dose M/F: 02/13/09 / 02/13/09

Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE USNEA 180 PPM	DAY ON TEST												
		0 0 9 5											
ANIMAL ID	0 0 0 0												
	5 6 9 0	2 3 5 7	3 5 5 8	5 5 8 1	5 5 8 2	5 5 8 7	5 5 8 2	5 5 8 7	5 5 8 8	5 5 8 1	5 5 8 1	5 5 8 8	5 5 8 8

\* TOTALS

## NERVOUS SYSTEM

NONE

## RESPIRATORY SYSTEM

NONE

## SPECIAL SENSES SYSTEM

NONE

## URINARY SYSTEM

NONE

## SYSTEMIC LESIONS

Multiple Organ

+ + + + + + + + + + +

10

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

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First Dose M/F: 02/13/09 / 02/13/09

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR<br>MICE MALE<br>USNEA 360 PPM | DAY ON TEST |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                  |  |
|--|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------|--|
|  |             | 0<br>0<br>9<br>5      | 0<br>0<br>9<br>5 |  |
| ANIMAL ID  |             | 0<br>0<br>0<br>1<br>3 | 0<br>0<br>0<br>0<br>3 | 0<br>0<br>0<br>5<br>3 | 0<br>0<br>5<br>5<br>4 | 0<br>0<br>7<br>7<br>7 | 0<br>0<br>8<br>7<br>8 | 0<br>0<br>0<br>1<br>3 | 0<br>0<br>0<br>1<br>1 | 0<br>0<br>1<br>1<br>4 | 0<br>0<br>1<br>1<br>4 |                  |  |
|  | *           | * TOTALS              |                       |                       |                       |                       |                       |                       |                       |                       |                       |                  |  |

## ALIMENTARY SYSTEM

|                           |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Gallbladder               | + | + | + | + | + | + | + | + | + | + | + | + | 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 |

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Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR<br>MICE MALE<br>USNEA 360 PPM | DAY ON TEST<br>ANIMAL ID | 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 |
|--|--------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|  |                          | 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 |
| Blood Vessel   |                          | + + + + + + + + + + |                     |                     |                     |                     |                     |                     |                     | 10                  |
| Heart  |                          | + + + + + + + + + + |                     |                     |                     |                     |                     |                     |                     | 10                  |
| <b>ENDOCRINE SYSTEM</b>                                  |                          |                     |                     |                     |                     |                     |                     |                     |                     |                     |
| Adrenal Cortex   |                          | + + + + + + + + + + |                     |                     |                     |                     |                     |                     |                     | 10                  |
| Adrenal Medulla  |                          | + + M + + + + + + + |                     |                     |                     |                     |                     |                     |                     | 9                   |
| Islets, Pancreatic                                       |                          | + + + + + + + + + + |                     |                     |                     |                     |                     |                     |                     | 10                  |
| Parathyroid Gland  |                          | + + + + + + + + + + |                     |                     |                     |                     |                     |                     |                     | 10                  |
| Pituitary Gland  |                          | + + + + + + + + + + |                     |                     |                     |                     |                     |                     |                     | 10                  |
| Thyroid Gland  |                          | + + + + + + + + + + |                     |                     |                     |                     |                     |                     |                     | 10                  |
| <b>GENERAL BODY SYSTEM</b>                               |                          |                     |                     |                     |                     |                     |                     |                     |                     |                     |
| NONE   |                          |                     |                     |                     |                     |                     |                     |                     |                     |                     |
| <b>GENITAL SYSTEM</b>                                    |                          |                     |                     |                     |                     |                     |                     |                     |                     |                     |
| Epididymis   |                          | + + + + + + + + + + |                     |                     |                     |                     |                     |                     |                     | 10                  |
| Preputial Gland  |                          | + + + + + + + + + + |                     |                     |                     |                     |                     |                     |                     | 10                  |
| Prostate   |                          | + + + + + + + + + + |                     |                     |                     |                     |                     |                     |                     | 10                  |

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

+ .. Tissue examined microscopically

X .. Lesion present

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Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR<br>MICE MALE<br>USNEA 360 PPM | DAY ON TEST<br>ANIMAL ID | 0 0 0 0 0 0 0 0 0 0 0 |   |   |   |   |   |   |   |   |   |    |    |
|--|--------------------------|-----------------------|---|---|---|---|---|---|---|---|---|----|----|
|  |                          | 0 0 0 0 0 0 0 0 0 0 0 |   |   |   |   |   |   |   |   |   |    |    |
| Seminal Vesicle  |                          | +                     | + | + | + | + | + | + | + | + | + | 10 |    |
| Testes   |                          | +                     | + | + | + | + | + | + | + | + | + | 10 |    |
| <b>HEMATOPOIETIC SYSTEM</b>                              |                          |                       |   |   |   |   |   |   |   |   |   |    |    |
| Bone Marrow  |                          | +                     | + | + | + | + | + | + | + | + | + | +  | 10 |
| Lymph Node, Mandibular                                   |                          | +                     | + | + | + | + | + | + | + | + | + | +  | 10 |
| Lymph Node, Mesenteric                                   |                          | +                     | + | + | + | + | + | + | + | + | + | +  | 10 |
| Spleen   |                          | +                     | + | + | + | + | + | + | + | + | + | +  | 10 |
| Thymus   |                          | +                     | + | + | + | + | + | + | + | M | + |    | 9  |
| <b>INTEGUMENTARY SYSTEM</b>                              |                          |                       |   |   |   |   |   |   |   |   |   |    |    |
| Mammary Gland  |                          | M                     | M | M | M | M | M | M | M | M | M | M  | 0  |
| Skin   |                          | +                     | + | + | + | + | + | + | + | + | + | +  | 10 |
| <b>MUSCULOSKELETAL SYSTEM</b>                            |                          |                       |   |   |   |   |   |   |   |   |   |    |    |
| Bone, Femur  |                          | +                     | + | + | + | + | + | + | + | + | + | +  | 10 |
| <b>NERVOUS SYSTEM</b>                                    |                          |                       |   |   |   |   |   |   |   |   |   |    |    |
| Brain, Brain Stem  |                          | +                     | + | + | + | + | + | + | + | + | + | +  | 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

BLANK .. Not examined microscopically

Experiment Number: 20702 - 02

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: MICE/B6C3F1/NCTR

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Usnea Lichen

CAS Number: USNEALICHEN

Date Report Requested: 12/03/2020

Time Report Requested: 12:51:12

First Dose M/F: 02/13/09 / 02/13/09

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR<br>MICE MALE<br>USNEA 360 PPM | DAY ON TEST<br>ANIMAL ID | 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 |    |
|  |                          | 5        | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |    |
|  |                          | 0        | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |    |
|  |                          | 0        | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |    |
|  |                          | 0        | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |   |    |
|  |                          | 1        | 1 | 3 | 3 | 5 | 5 | 7 | 7 | 1 | 1 |    |
|  |                          | 3        | 4 | 7 | 8 | 3 | 4 | 7 | 8 | 3 | 4 |    |
|  |                          | * TOTALS |   |   |   |   |   |   |   |   |   |    |
| Brain, Cerebellum  |                          | +        | + | + | + | + | + | + | + | + | + | 10 |
| Brain, Cerebrum  |                          | +        | + | + | + | + | + | + | + | + | + | 10 |
| <b>RESPIRATORY SYSTEM</b>                                |                          |          |   |   |   |   |   |   |   |   |   |    |
| Lung   |                          | +        | + | + | + | + | + | + | + | + | + | 10 |
| Nose   |                          | +        | + | + | + | + | + | + | + | + | + | 10 |
| Trachea  |                          | +        | + | + | + | + | + | + | + | + | + | 10 |
| <b>SPECIAL SENSES SYSTEM</b>                             |                          |          |   |   |   |   |   |   |   |   |   |    |
| Eye  |                          | +        | + | + | + | + | + | + | + | + | + | 10 |
| Harderian Gland  |                          | +        | + | + | + | + | + | + | + | + | + | 10 |
| <b>URINARY SYSTEM</b>                                    |                          |          |   |   |   |   |   |   |   |   |   |    |
| Kidney   |                          | +        | + | + | + | + | + | + | + | + | + | 10 |
| Urinary Bladder  |                          | +        | + | + | + | + | + | + | + | + | + | 10 |
| <b>SYSTEMIC LESIONS</b>                                  |                          |          |   |   |   |   |   |   |   |   |   |    |
| Multiple Organ   |                          | +        | + | + | + | + | + | + | + | + | + | 10 |

\*\*\* 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: 20702 - 02

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: MICE/B6C3F1/NCTR

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Usnea Lichen

CAS Number: USNEALICHEN

Date Report Requested: 12/03/2020

Time Report Requested: 12:51:12

First Dose M/F: 02/13/09 / 02/13/09

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR<br>MICE FEMALE<br>Control 0 PPM | DAY ON TEST |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |          |  |
|--|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|--|
|  |             | 0<br>0<br>9<br>5      |          |  |
| ANIMAL ID  |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |          |  |
|  |             | 0<br>0<br>0<br>2<br>3 | 0<br>0<br>0<br>2<br>4 | 0<br>0<br>0<br>4<br>7 | 0<br>0<br>0<br>6<br>8 | 0<br>0<br>0<br>6<br>7 | 0<br>0<br>0<br>9<br>8 | 0<br>0<br>0<br>9<br>1 | 0<br>0<br>0<br>9<br>2 | 0<br>0<br>0<br>9<br>9 | 0<br>0<br>0<br>9<br>0 | 0<br>0<br>0<br>1<br>0 | * TOTALS |  |
|  |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |          |  |

## ALIMENTARY SYSTEM

|                           |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Gallbladder               | + | + | + | + | + | + | + | + | + | + | + | + | 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

\* .. 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: 20702 - 02

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: MICE/B6C3F1/NCTR

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Usnea Lichen

CAS Number: USNEALICHEN

Date Report Requested: 12/03/2020

Time Report Requested: 12:51:12

First Dose M/F: 02/13/09 / 02/13/09

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR<br>MICE FEMALE<br>Control 0 PPM | DAY ON TEST | 0        | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  |
|--|-------------|----------|---|---|---|---|---|---|---|---|----|
|  |             | 0        | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  |
| ANIMAL ID  |             | 9        | 9 | 9 | 9 | 9 | 9 | 5 | 9 | 9 | 9  |
|  |             | 5        | 5 | 5 | 5 | 5 | 5 | 7 | 5 | 5 | 5  |
|  |             | 0        | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  |
|  |             | 0        | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  |
|  |             | 0        | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1  |
|  |             | 2        | 2 | 4 | 4 | 6 | 6 | 9 | 9 | 9 | 0  |
|  |             | 3        | 4 | 7 | 8 | 7 | 8 | 1 | 2 | 9 | 0  |
|  |             | * TOTALS |   |   |   |   |   |   |   |   |    |
| Blood Vessel   |             | +        | + | + | + | + | + | + | + | + | 10 |
| Heart  |             | +        | + | + | + | + | + | + | + | + | 10 |

## ENDOCRINE SYSTEM

|                    |   |   |   |   |   |   |   |   |   |   |    |
|--------------------|---|---|---|---|---|---|---|---|---|---|----|
| Adrenal Cortex     | + | + | + | + | + | + | + | + | + | + | 10 |
| Adrenal Medulla    | + | + | + | + | + | + | + | + | + | + | 10 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | 10 |
| Parathyroid Gland  | + | + | + | + | + | + | + | + | + | + | 10 |
| Pituitary Gland    | + | + | + | + | + | + | + | + | + | + | 10 |
| Thyroid Gland      | + | + | + | + | + | + | + | + | + | + | 10 |

## GENERAL BODY SYSTEM

|      |  |  |  |  |  |  |  |  |  |  |  |
|------|--|--|--|--|--|--|--|--|--|--|--|
| NONE |  |  |  |  |  |  |  |  |  |  |  |
|------|--|--|--|--|--|--|--|--|--|--|--|

## GENITAL SYSTEM

|                |   |   |   |   |   |   |   |   |   |   |    |
|----------------|---|---|---|---|---|---|---|---|---|---|----|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | 10 |
| Ovary          | + | + | + | + | + | + | + | + | + | + | 10 |
| Uterus         | + | + | + | + | + | + | + | + | + | + | 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

BLANK .. Not examined microscopically

Experiment Number: 20702 - 02

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: MICE/B6C3F1/NCTR

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Usnea Lichen

CAS Number: USNEALICHEN

Date Report Requested: 12/03/2020

Time Report Requested: 12:51:12

First Dose M/F: 02/13/09 / 02/13/09

Lab: NCTR

| DAY ON TEST |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                  |
|-------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|------------------|
|             | 0<br>0<br>9<br>5                | 0<br>0<br>9<br>5                | 0<br>0<br>9<br>5                | 0<br>0<br>9<br>5                | 0<br>0<br>9<br>5                | 0<br>0<br>9<br>7                | 0<br>0<br>9<br>5                | 0<br>0<br>9<br>5                | 0<br>0<br>9<br>5                | 0<br>0<br>9<br>5                | 0<br>0<br>9<br>5                | 0<br>0<br>9<br>5 |
| ANIMAL ID   | 0<br>0<br>0<br>0<br>0<br>2<br>3 | 0<br>0<br>0<br>0<br>0<br>2<br>4 | 0<br>0<br>0<br>0<br>0<br>4<br>7 | 0<br>0<br>0<br>0<br>0<br>4<br>8 | 0<br>0<br>0<br>0<br>0<br>6<br>7 | 0<br>0<br>0<br>0<br>0<br>6<br>8 | 0<br>0<br>0<br>0<br>0<br>9<br>1 | 0<br>0<br>0<br>0<br>0<br>9<br>2 | 0<br>0<br>0<br>0<br>0<br>9<br>9 | 0<br>0<br>0<br>0<br>0<br>9<br>9 | 0<br>0<br>0<br>0<br>0<br>0<br>0 |                  |
|             |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 | * TOTALS         |

## HEMATOPOIETIC SYSTEM

|                        |   |   |   |   |   |   |   |   |   |   |   |    |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone Marrow            | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Spleen                 | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Thymus                 | + | + | + | + | + | + | + | + | + | + | + | 10 |

## INTEGUMENTARY SYSTEM

|               |   |   |   |   |   |   |   |   |   |   |   |    |
|---------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Skin          | + | + | + | + | + | + | + | + | + | + | + | 10 |

## MUSCULOSKELETAL SYSTEM

|             |   |   |   |   |   |   |   |   |   |   |   |    |
|-------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | 10 |
|-------------|---|---|---|---|---|---|---|---|---|---|---|----|

## NERVOUS SYSTEM

|                   |   |   |   |   |   |   |   |   |   |   |   |    |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Brain, Brain Stem | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Brain, Cerebrum   | + | + | + | + | + | + | + | + | + | + | + | 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

BLANK .. Not examined microscopically

Experiment Number: 20702 - 02

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: MICE/B6C3F1/NCTR

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Usnea Lichen

CAS Number: USNEALICHEN

Date Report Requested: 12/03/2020

Time Report Requested: 12:51:12

First Dose M/F: 02/13/09 / 02/13/09

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR<br>MICE FEMALE<br>Control 0 PPM | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--|-------------|---|---|---|---|---|---|---|---|---|---|
|  |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C57BL/6N XC3H/HEN MTV-NCTR<br>MICE FEMALE<br>Control 0 PPM | ANIMAL ID   | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 9 | 9 | 9 |
|  |             | 5 | 5 | 5 | 5 | 5 | 5 | 7 | 5 | 5 | 5 |
| C57BL/6N XC3H/HEN MTV-NCTR<br>MICE FEMALE<br>Control 0 PPM | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C57BL/6N XC3H/HEN MTV-NCTR<br>MICE FEMALE<br>Control 0 PPM | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
|  |             | 2 | 2 | 4 | 4 | 6 | 6 | 9 | 9 | 9 | 0 |
| C57BL/6N XC3H/HEN MTV-NCTR<br>MICE FEMALE<br>Control 0 PPM | ANIMAL ID   | 3 | 4 | 7 | 8 | 7 | 8 | 1 | 2 | 9 | 0 |

\* 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 |
|----------------|---|---|---|---|---|---|---|---|---|---|---|----|

\* .. 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:** 20702 - 02

**Test Type:** 90-DAY

**Route:** DOSED FEED

**Species/Strain:** MICE/B6C3F1/NCTR

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

Usnea Lichen

**CAS Number:** USNEALICHEN

**Date Report Requested:** 12/03/2020

**Time Report Requested:** 12:51:12

**First Dose M/F:** 02/13/09 / 02/13/09

**Lab:** NCTR

DAY ON TEST

**C57BL/6N XC3H/HEN MTV-NCTR**

**MICE FEMALE**

**USNEA 15 PPM**

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

\* .. 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:** 20702 - 02

**Test Type:** 90-DAY

**Route:** DOSED FEED

**Species/Strain:** MICE/B6C3F1/NCTR

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

Usnea Lichen

**CAS Number:** USNEALICHEN

**Date Report Requested:** 12/03/2020

**Time Report Requested:** 12:51:12

**First Dose M/F:** 02/13/09 / 02/13/09

**Lab:** NCTR

DAY ON TEST

**C57BL/6N XC3H/HEN MTV-NCTR**

**MICE FEMALE**

**USNEA 15 PPM**

ANIMAL ID

\* **TOTALS**

**NERVOUS SYSTEM**

NONE

**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:** 20702 - 02

**Test Type:** 90-DAY

**Route:** DOSED FEED

**Species/Strain:** MICE/B6C3F1/NCTR

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

Usnea Lichen

**CAS Number:** USNEALICHEN

**Date Report Requested:** 12/03/2020

**Time Report Requested:** 12:51:12

**First Dose M/F:** 02/13/09 / 02/13/09

**Lab:** NCTR

DAY ON TEST

**C57BL/6N XC3H/HEN MTV-NCTR**

**MICE FEMALE**

**USNEA 30 PPM**

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

\* .. 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:** 20702 - 02

**Test Type:** 90-DAY

**Route:** DOSED FEED

**Species/Strain:** MICE/B6C3F1/NCTR

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

Usnea Lichen

**CAS Number:** USNEALICHEN

**Date Report Requested:** 12/03/2020

**Time Report Requested:** 12:51:12

**First Dose M/F:** 02/13/09 / 02/13/09

**Lab:** NCTR

DAY ON TEST

**C57BL/6N XC3H/HEN MTV-NCTR**

**MICE FEMALE**

**USNEA 30 PPM**

ANIMAL ID

\* **TOTALS**

**NERVOUS SYSTEM**

NONE

**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: 20702 - 02

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: MICE/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Usnea Lichen

CAS Number: USNEALICHEN

Date Report Requested: 12/03/2020

Time Report Requested: 12:51:12

First Dose M/F: 02/13/09 / 02/13/09

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR<br>MICE FEMALE<br>USNEA 60 PPM | ANIMAL ID | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |
|---|-----------|-------------|---|---|---|---|---|---|---|---|---|---|---|
|   |           | 0           | 0 | 0 | 0 | 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 | 9 | 9 |
|   |           | 5           | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
|   |           | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   |           | 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           | 2 | 4 | 4 | 6 | 6 | 8 | 8 | 0 | 0 | 0 | 0 |
|   |           | 9           | 0 | 3 | 4 | 3 | 4 | 7 | 8 | 3 | 4 | 4 | 4 |
| * TOTALS  |           |             |   |   |   |   |   |   |   |   |   |   |   |

### NERVOUS SYSTEM

NONE

### RESPIRATORY SYSTEM

NONE

### SPECIAL SENSES SYSTEM

NONE

### URINARY SYSTEM

NONE

### SYSTEMIC LESIONS

Multiple Organ

+ + + + + + + + + +

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

BLANK .. Not examined microscopically

Experiment Number: 20702 - 02

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: MICE/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Usnea Lichen

CAS Number: USNEALICHEN

Date Report Requested: 12/03/2020

Time Report Requested: 12:51:12

First Dose M/F: 02/13/09 / 02/13/09

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR<br>MICE FEMALE<br>USNEA 180 PPM | DAY ON TEST                |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
|--|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
|  |                            | 0<br>0<br>9<br>5           |
| ANIMAL ID  | 0<br>0<br>0<br>0           |
|  | 7<br>8<br>1<br>2<br>9<br>0 | 0<br>0<br>3<br>3<br>5<br>6 |

\* TOTALS

### ALIMENTARY SYSTEM

|       |   |   |   |   |   |   |   |   |   |   |   |   |    |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | 10 |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|----|

### CARDIOVASCULAR SYSTEM

NONE

### ENDOCRINE SYSTEM

NONE

### GENERAL BODY SYSTEM

NONE

### GENITAL SYSTEM

|       |   |   |   |   |   |   |   |   |   |   |   |   |    |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | 10 |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|----|

### HEMATOPOIETIC SYSTEM

NONE

### INTEGUMENTARY SYSTEM

NONE

### MUSCULOSKELETAL 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:** 20702 - 02

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

**Date Report Requested:** 12/03/2020

**Test Type:** 90-DAY

**Route: DOSED FEED**

**Species/Strain:** MICE/B6C3F1/NCTR

Usnea Lichen

**CAS Number:** USNEALICHEN

**Time Report Requested:** 12:51:12

**First Dose M/E:** 02/13/09 / 02/13/09

## **Lab: NCTR**

Lab. NCTR

## **NERVOUS SYSTEM**

NONE

## **RESPIRATORY SYSTEM**

NONE

## SPECIAL SENSES SYSTEM

NONE

## **URINARY SYSTEM**

NONE

## SYSTEMIC LESIONS

Multiple Organ

± ± ± ± ± ± ± ± ± ±

10

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

+ .. Tissue examined microscopically

X .. Lesion present

#### I .. Insufficient tissue

M .. Missing tissue

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Experiment Number: 20702 - 02

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: MICE/B6C3F1/NCTR

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Usnea Lichen

CAS Number: USNEALICHEN

Date Report Requested: 12/03/2020

Time Report Requested: 12:51:12

First Dose M/F: 02/13/09 / 02/13/09

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR<br>MICE FEMALE<br>USNEA 360 PPM | DAY ON TEST |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |
|--|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--|
|  |             | 0<br>0<br>9<br>5      |  |
| ANIMAL ID  |             | 0<br>0<br>0<br>1<br>5 | 0<br>0<br>0<br>1<br>6 | 0<br>0<br>0<br>1<br>9 | 0<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>5 | 0<br>0<br>0<br>0<br>6 | 0<br>0<br>0<br>0<br>9 | 0<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>1<br>0 | 0<br>0<br>1<br>1<br>5 | 0<br>0<br>1<br>1<br>6 |  |
|  | *           | * TOTALS              |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |

## ALIMENTARY SYSTEM

|                           |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Gallbladder               | + | + | + | + | + | + | + | A | + | + |   |   | 9  |
| Intestine Large, Cecum    | + | + | + | + | + | + | + | A | + | + |   |   | 9  |
| Intestine Large, Colon    | + | + | + | + | + | + | + | A | + | + |   |   | 9  |
| Intestine Large, Rectum   | + | + | + | + | + | + | + | A | + | + |   |   | 9  |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | A | + | + |   |   | 9  |
| Intestine Small, Ileum    | + | + | + | + | + | + | + | A | + | + |   |   | 9  |
| Intestine Small, Jejunum  | + | + | + | + | + | + | + | A | + | + |   |   | 9  |
| Liver                     | + | + | + | + | + | + | + | A | + | + |   |   | 9  |
| Pancreas                  | + | + | + | + | + | + | + | + | + | + |   |   | 10 |
| Salivary Glands           | + | + | + | + | + | + | + | + | + | + |   |   | 10 |
| Stomach, Forestomach      | + | + | + | + | + | + | + | A | + | + |   |   | 9  |
| Stomach, Glandular        | + | + | + | + | + | + | + | A | + | + |   |   | 9  |

## CARDIOVASCULAR 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: 20702 - 02

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: MICE/B6C3F1/NCTR

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Usnea Lichen

CAS Number: USNEALICHEN

Date Report Requested: 12/03/2020

Time Report Requested: 12:51:12

First Dose M/F: 02/13/09 / 02/13/09

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR<br>MICE FEMALE<br>USNEA 360 PPM | DAY ON TEST<br><br>ANIMAL ID |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | * TOTALS |
|--|------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------|
|  |                              | 0<br>0<br>9<br>5 |          |
| Blood Vessel   |                              | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 10       |
| Heart  |                              | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 10       |

## ENDOCRINE SYSTEM

|                    |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Adrenal Cortex     | + | + | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Adrenal Medulla    | + | + | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Parathyroid Gland  | + | + | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Pituitary Gland    | + | + | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Thyroid Gland      | + | + | + | + | + | + | + | + | + | + | + | + | + | 10 |

## GENERAL BODY SYSTEM

NONE

## GENITAL SYSTEM

|                |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Clitoral Gland | M | + | + | + | + | + | + | + | + | + | + | + | + | 9  |
| Ovary          | + | + | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Uterus         | + | + | + | + | + | + | + | + | + | + | + | + | + | 10 |

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

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

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BLANK .. Not examined microscopically

Experiment Number: 20702 - 02

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: MICE/B6C3F1/NCTR

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Usnea Lichen

CAS Number: USNEALICHEN

Date Report Requested: 12/03/2020

Time Report Requested: 12:51:12

First Dose M/F: 02/13/09 / 02/13/09

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR<br>MICE FEMALE<br>USNEA 360 PPM | DAY ON TEST |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                  |  |
|--|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------|--|
|  |             | 0<br>0<br>9<br>5      | 0<br>0<br>9<br>5      | 0<br>0<br>9<br>5      | 0<br>0<br>9<br>5      | 0<br>0<br>9<br>5      | 0<br>0<br>9<br>5      | 0<br>0<br>2<br>0      | 0<br>0<br>5<br>0      | 0<br>0<br>9<br>5      | 0<br>0<br>9<br>5      | 0<br>0<br>9<br>5 |  |
| ANIMAL ID  |             | 0<br>0<br>0<br>1<br>5 | 0<br>0<br>0<br>1<br>6 | 0<br>0<br>0<br>3<br>9 | 0<br>0<br>0<br>4<br>0 | 0<br>0<br>0<br>5<br>5 | 0<br>0<br>0<br>5<br>6 | 0<br>0<br>0<br>7<br>9 | 0<br>0<br>0<br>8<br>0 | 0<br>0<br>1<br>1<br>5 | 0<br>0<br>1<br>1<br>6 | * TOTALS         |  |
|  |             | 0<br>0<br>0<br>1<br>5 | 0<br>0<br>0<br>1<br>6 | 0<br>0<br>0<br>3<br>9 | 0<br>0<br>0<br>4<br>0 | 0<br>0<br>0<br>5<br>5 | 0<br>0<br>0<br>5<br>6 | 0<br>0<br>0<br>7<br>9 | 0<br>0<br>0<br>8<br>0 | 0<br>0<br>1<br>1<br>5 | 0<br>0<br>1<br>1<br>6 | * TOTALS         |  |

## HEMATOPOIETIC SYSTEM

|                        |   |   |   |   |   |   |   |   |   |   |   |   |    |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone Marrow            | + | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | A | + | + | + | 9  |
| Spleen                 | + | + | + | + | + | + | + | + | A | + | + | + | 9  |
| Thymus                 | + | + | + | + | + | + | + | + | A | + | + | + | 9  |

## INTEGUMENTARY SYSTEM

|               |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Skin          | + | + | + | + | + | + | + | + | + | + | + | + | 10 |

## MUSCULOSKELETAL SYSTEM

|             |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone, Femur | + | + | + | + | + | + | + | A | + | + | + | + | 9 |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|

## NERVOUS SYSTEM

|                   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Brain, Brain Stem | + | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Brain, Cerebrum   | + | + | + | + | + | + | + | + | + | + | + | + | 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

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Experiment Number: 20702 - 02

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: MICE/B6C3F1/NCTR

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Usnea Lichen

CAS Number: USNEALICHEN

Date Report Requested: 12/03/2020

Time Report Requested: 12:51:12

First Dose M/F: 02/13/09 / 02/13/09

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR<br>MICE FEMALE<br>USNEA 360 PPM | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--|-------------|---|---|---|---|---|---|---|---|---|---|
|  |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C57BL/6N XC3H/HEN MTV-NCTR<br>MICE FEMALE<br>USNEA 360 PPM | ANIMAL ID   | 9 | 9 | 9 | 9 | 9 | 9 | 2 | 9 | 9 | 9 |
|  |             | 5 | 5 | 5 | 5 | 5 | 5 | 0 | 5 | 5 | 5 |
| C57BL/6N XC3H/HEN MTV-NCTR<br>MICE FEMALE<br>USNEA 360 PPM | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C57BL/6N XC3H/HEN MTV-NCTR<br>MICE FEMALE<br>USNEA 360 PPM | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
|  |             | 1 | 1 | 3 | 4 | 5 | 5 | 7 | 8 | 1 | 1 |
| C57BL/6N XC3H/HEN MTV-NCTR<br>MICE FEMALE<br>USNEA 360 PPM | ANIMAL ID   | 5 | 6 | 9 | 0 | 5 | 6 | 9 | 0 | 5 | 6 |

\* TOTALS

## RESPIRATORY SYSTEM

|         |   |   |   |   |   |   |   |   |   |   |   |    |
|---------|---|---|---|---|---|---|---|---|---|---|---|----|
| Lung    | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Nose    | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | 10 |

## SPECIAL SENSES SYSTEM

|                 |   |   |   |   |   |   |   |   |   |   |   |    |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Eye             | + | + | + | + | + | + | + | A | + | + | + | 9  |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | 10 |

## URINARY SYSTEM

|                 |   |   |   |   |   |   |   |   |   |   |   |    |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Kidney          | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | 10 |

## SYSTEMIC LESIONS

|                |   |   |   |   |   |   |   |   |   |   |   |    |
|----------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | 10 |
|----------------|---|---|---|---|---|---|---|---|---|---|---|----|

\*\*\* END OF REPORT \*\*\*

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

+ .. Tissue examined microscopically

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I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically