

Experiment Number: 20609 - 02
Test Type: 90-DAY
Route: DOSED FEED
Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
(+)-Usnic Acid
CAS Number: 7562-61-0

Date Report Requested: 12/03/2020
Time Report Requested: 12:50:16
First Dose M/F: 08/07/08 / 08/07/08
Lab: NCTR

NTP Study Number: C20609
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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C57BL/6N XC3H/HEN MTV-NCTR MICE MALE Control 0 ppm	DAY ON TEST										ANIMAL ID
	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	
	0	0	0	0	0	0	0	0	0	0	0 0 0 2 1
	0	0	0	0	0	0	0	0	0	0	0 0 0 4 2
	0	0	0	0	0	0	0	0	0	0	0 0 0 4 5
	0	0	0	0	0	0	0	0	0	0	0 0 0 6 6
	0	0	0	0	0	0	0	0	0	0	0 0 0 6 5
	0	0	0	0	0	0	0	0	0	0	0 0 0 8 6
	0	0	0	0	0	0	0	0	0	0	0 0 0 9 9
	0	0	0	0	0	0	0	0	0	0	0 0 0 9 7
	0	0	0	0	0	0	0	0	0	0	0 0 0 9 8
	* 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
Inflammation, Chronic Active								1			1 1.0
Tension Lipidosis								2			1 2.0
Vacuolization Cytoplasmic	1	2		1	1	1		1			6 1.2
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Epithelium, Hyperplasia				3							1 3.0

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1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

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C57BL/6N XC3H/HEN MTV-NCTR MICE MALE Control 0 ppm	DAY ON TEST										ANIMAL ID			
	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5				
	0	0	0	0	0	0	0	0	0	0	0 0 0 2 1			
	* TOTALS													
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+			10	
CARDIOVASCULAR SYSTEM														
Blood Vessel	+	+	+	+	+	+	+	+	+	+			10	
Heart	+	+	+	+	+	+	+	+	+	+			10	
ENDOCRINE SYSTEM														
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+			10	
Subcapsular, Hyperplasia			1										1 1.0	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+			10	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+			10	
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+			10	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+			10	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+			10	
GENERAL BODY SYSTEM														
NONE														
GENITAL SYSTEM														
Epididymis	+	+	+	+	+	+	+	+	+	+			10	

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C57BL/6N XC3H/HEN MTV-NCTR MICE MALE Control 0 ppm	DAY ON TEST										ANIMAL ID			
	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5				
	0 0 0 2 1	0 0 0 2 2	0 0 0 4 5	0 0 0 4 6	0 0 0 6 5	0 0 0 6 6	0 0 0 8 9	0 0 0 9 0	0 0 0 9 7	0 0 0 9 8				
												* TOTALS		
Preputial Gland	+ + + + + + + + + +												10	
Prostate	+ + + + + + + + + +												10	
Seminal Vesicle	+ + + + + + + + + +												10	
Testes	+ + + + + + + + + +												10	
HEMATOPOIETIC SYSTEM														
Bone Marrow	+ + + + + + + + + +												10	
Lymph Node, Mandibular	+ + + + + + + + + +												10	
Lymph Node, Mesenteric Hyperplasia, Lymphoid	+ + + + + + + + + +												10	3 1.7
Spleen	+ + + + + + + + + +												10	
Thymus	+ + + + + + + + + +												10	
INTEGUMENTARY SYSTEM														
Mammary Gland	M M M M M M M M M M												0	
Skin	+ + + + + + + + + +												10	
MUSCULOSKELETAL SYSTEM														
Bone, Femur	+ + + + + + + + + +												10	

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	C57BL/6N XC3H/HEN MTV-NCTR	9	9	9	9	9	9	9	9	9
MICE MALE	5	5	5	5	5	5	5	5	5	5
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
	2	2	4	4	6	6	8	9	9	9
	1	2	5	6	5	6	9	0	7	8
* TOTALS										

NERVOUS SYSTEM

Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	10
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	10
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	10

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	10
Nose	+	+	+	+	+	+	+	+	+	+	10
Trachea	+	+	+	+	+	+	+	+	+	+	10

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	10
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

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C57BL/6N XC3H/HEN MTV-NCTR MICE MALE Usnic 360 ppm	DAY ON TEST										* TOTALS
	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	
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	1	1	
	1	1	3	3	5	5	7	7	1	1	

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
Tension Lipidosis			1	1							2 1.0
Vacuolization Cytoplasmic	1				1						2 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10

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	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5		
	0	0	0	0	0	0	0	0	0	0	0 0 0 1 3	
	* TOTALS											

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+		10
Heart	+	+	+	+	+	+	+	+	+	+		10

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+		10
Subcapsular, Hyperplasia						1						1 1.0
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+		10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+		10
Parathyroid Gland	+	+	+	+	+	+	+	+	M	M		8
Pituitary Gland	+	+	+	+	+	+	+	+	+	+		10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+		10

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+		10
Preputial Gland	+	+	+	+	+	+	+	+	+	+		10

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C57BL/6N XC3H/HEN MTV-NCTR MICE MALE Usnic 360 ppm	DAY ON TEST										ANIMAL ID			
	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5				0 0 9 5
	0	0	0	0	0	0	0	0	0	0	0 0 0 1 3			* TOTALS
Cyst	3											1 3.0		
Prostate	+	+	+	+	+	+	+	+	+	+			10	
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+			10	
Testes	+	+	+	+	+	+	+	+	+	+			10	
HEMATOPOIETIC SYSTEM														
Bone Marrow	+	+	+	+	+	+	+	+	+	+			10	
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+			10	
Lymph Node, Mesenteric Hyperplasia, Lymphoid	+	+	+	+	+	+	1	2	+	+			10 2 1.5	
Spleen Hematopoietic Cell Proliferation Hyperplasia, Lymphoid	+	+	+	+	+	2	2	2	+	+			10 2 2.0 2 2.0	
Thymus	+	+	+	+	+	+	+	+	+	+			10	
INTEGUMENTARY SYSTEM														
Mammary Gland	M	M	M	M	M	M	M	M	M	M			0	
Skin	+	+	+	+	+	+	+	+	+	+			10	
MUSCULOSKELETAL SYSTEM														

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C57BL/6N XC3H/HEN MTV-NCTR MICE MALE Usnic 360 ppm	DAY ON TEST										* TOTALS	
	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5		
	ANIMAL ID											
	0 0 0 1 3	0 0 0 1 4	0 0 0 3 7	0 0 0 3 8	0 0 0 5 3	0 0 0 5 4	0 0 0 7 7	0 0 0 7 8	0 0 0 7 8	0 0 1 1 3	0 0 1 1 4	
Bone, Femur	+	+	+	+	+	+	+	+	+	+	10	
NERVOUS SYSTEM												
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	10	
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	10	
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	10	
RESPIRATORY SYSTEM												
Lung	+	+	+	+	+	+	+	+	+	+	10	
Nose	+	+	+	+	+	+	+	+	+	+	10	
Trachea	+	+	+	+	+	+	+	+	+	+	10	
SPECIAL SENSES SYSTEM												
Eye	+	+	+	+	+	+	+	+	+	+	10	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10	
URINARY SYSTEM												
Kidney	+	+	+	+	+	+	+	+	+	+	10	
Urinary Bladder Lumen, Dilatation	+	+	+	+	+	+	+	+	+	+	10 4	1 4.0

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*** END OF MALE DATA ***

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	C57BL/6N XC3H/HEN MTV-NCTR	0	0	0	0	0	0	0	0	0
MICE FEMALE	9	9	9	9	9	9	9	9	9	9
Control 0 ppm	5	5	5	5	5	5	5	5	5	5
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	1	0
	2	2	4	4	6	6	9	9	9	0
	3	4	7	8	7	8	1	2	9	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
Tension Lipidosis				2							1 2.0
Vacuolization Cytoplasmic	2		1	1					1		4 1.3
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	C57BL/6N XC3H/HEN MTV-NCTR	0	0	0	0	0	0	0	0	0
MICE FEMALE	9	9	9	9	9	9	9	9	9	9
Control 0 ppm	5	5	5	5	5	5	5	5	5	5
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	1	0
	2	2	4	4	6	6	9	9	9	0
	3	4	7	8	7	8	1	2	9	0
* TOTALS										

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
Heart	+	+	+	+	+	+	+	+	+	+	10

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Subcapsular, Hyperplasia	1	1	1	1	1	1	1	1	1	1	10 1.0
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	M	+	+	+	+	+	+	+	+	9
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10
Ectopic Thymus		X									1

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	M	9
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 X .. Lesion present
 I .. Insufficient tissue
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1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20609 - 02
 Test Type: 90-DAY
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 (+)-Usnic Acid
 CAS Number: 7562-61-0

Date Report Requested: 12/03/2020
 Time Report Requested: 12:50:16
 First Dose M/F: 08/07/08 / 08/07/08
 Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE Control 0 ppm	DAY ON TEST										* TOTALS	
	0095	0095	0095	0095	0095	0095	0095	0095	0095	0095		
ANIMAL ID	00023	00044	00074	00088	00078	00088	00091	00092	00099	00100		
	Ovary	+	+	+	+	+	+	+	+	+	+	10
Uterus	+	+	+	+	+	+	+	+	+	+	10	
HEMATOPOIETIC SYSTEM												
Bone Marrow Hyperplasia	+	+	+	+	+	+	+	+	+	3	10	1 3.0
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10	
Spleen Hematopoietic Cell Proliferation Hyperplasia, Lymphoid	+	+	+	+	+	1	2	2	2	3	10	2 2.0 4 2.0
Thymus Necrosis	+	+	+	+	+	+	+	+	+	3	10	1 3.0
INTEGUMENTARY SYSTEM												
Mammary Gland	+	+	+	+	+	+	+	+	+	+	10	
Skin	+	+	+	+	+	+	+	+	+	+	10	
MUSCULOSKELETAL SYSTEM												
Bone, Femur	+	+	+	+	+	+	+	+	+	+	10	

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 (+)-Usnic Acid
 CAS Number: 7562-61-0

Date Report Requested: 12/03/2020
 Time Report Requested: 12:50:16
 First Dose M/F: 08/07/08 / 08/07/08
 Lab: NCTR

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	C57BL/6N XC3H/HEN MTV-NCTR	0	0	0	0	0	0	0	0	0
MICE FEMALE	9	9	9	9	9	9	9	9	9	9
Control 0 ppm	5	5	5	5	5	5	5	5	5	5
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	1	0
	2	2	4	4	6	6	9	9	9	0
	3	4	7	8	7	8	1	2	9	0
* TOTALS										

NERVOUS SYSTEM

Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	10
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	10
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	10

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	10
Nose	+	+	+	+	+	+	+	+	+	+	10
Trachea	+	+	+	+	+	+	+	+	+	+	10

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	10
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

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Date Report Requested: 12/03/2020
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 Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE Usnic 30 ppm	DAY ON TEST										ANIMAL ID	
	0 9 5	0 2 2	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5		
	0	0	0	0	0	0	0	0	0	0	0 0 0 1 1	
	0	0	0	0	0	0	0	0	0	0	0 0 0 1 2	
	0	0	0	0	0	0	0	0	0	0	0 0 0 3 5	
	0	0	0	0	0	0	0	0	0	0	0 0 0 5 6	
	0	0	0	0	0	0	0	0	0	0	0 0 0 5 1	
	0	0	0	0	0	0	0	0	0	0	0 0 0 7 2	
	0	0	0	0	0	0	0	0	0	0	0 0 0 7 5	
	0	0	0	0	0	0	0	0	0	0	0 0 0 7 6	
	0	0	0	0	0	0	0	0	0	0	0 0 0 1 1	
	0	0	0	0	0	0	0	0	0	0	0 0 0 1 2	
												* TOTALS

ALIMENTARY SYSTEM

Esophagus	+	1
Gallbladder	+	1
Intestine Large, Cecum	+	1
Intestine Large, Colon	+	1
Intestine Large, Rectum	+	1
Intestine Small, Duodenum	+	1
Intestine Small, Ileum	+	1
Intestine Small, Jejunum	+	1
Liver	+	1
Vacuolization Cytoplasmic	2	1 2.0
Pancreas	+	1
Salivary Glands	+	1
Stomach, Forestomach	+	1
Stomach, Glandular	+	1

CARDIOVASCULAR SYSTEM

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C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE Usnic 30 ppm	DAY ON TEST										ANIMAL ID	
	0 9 5	0 2 2	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5		
	0	0	0	0	0	0	0	0	0	0	0 0 0 1 1	
	* TOTALS											

Blood Vessel	+	1
Heart	+	1

ENDOCRINE SYSTEM

Adrenal Cortex	+	1
Subcapsular, Hyperplasia	1	1 1.0
Adrenal Medulla	+	1
Islets, Pancreatic	+	1
Parathyroid Gland	+	1
Pituitary Gland	+	1
Thyroid Gland	+	1

GENERAL BODY SYSTEM

NONE		
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GENITAL SYSTEM

Clitoral Gland	+	1
Ovary	+	1
Uterus	+	1

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Experiment Number: 20609 - 02
 Test Type: 90-DAY
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1/NCTR

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Date Report Requested: 12/03/2020
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 First Dose M/F: 08/07/08 / 08/07/08
 Lab: NCTR

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	C57BL/6N XC3H/HEN MTV-NCTR	9	2	9	0	9	0	9	0	9
MICE FEMALE	5	2	5	5	5	5	5	5	5	5
ANIMAL ID	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	7	7	1	1	1
	1	2	5	6	1	2	5	6	1	2
* TOTALS										

HEMATOPOIETIC SYSTEM

Bone Marrow	+	1
Lymph Node, Mandibular	+	1
Lymph Node, Mesenteric	+	1
Spleen	+	1
Thymus	+	1

INTEGUMENTARY SYSTEM

Mammary Gland	+	1
Skin	+	1

MUSCULOSKELETAL SYSTEM

Bone	+	1	
Cranium, Fracture	X		1
Cranium, Hemorrhage	4		1 4.0
Bone, Femur	+	1	

NERVOUS SYSTEM

Brain, Brain Stem	+	1	
Hemorrhage	2		1 2.0

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Experiment Number: 20609 - 02
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 Species/Strain: MICE/B6C3F1/NCTR

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 Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE Usnic 30 ppm	DAY ON TEST										ANIMAL ID				
	0 9 5	0 2 2	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5					
	0	0	0	0	0	0	0	0	0	0	0 0 0 1 1				
	* TOTALS														
Brain, Cerebellum Hemorrhage											+	3	1	1	3.0
Brain, Cerebrum Hemorrhage											+	2	1	1	2.0
RESPIRATORY SYSTEM															
Lung Hemorrhage											+	4	1	1	4.0
Nose Hemorrhage											+	2	1	1	2.0
Trachea											+		1		
SPECIAL SENSES SYSTEM															
Eye											+		1		
Harderian Gland											+		1		
URINARY SYSTEM															
Kidney											+		1		
Urinary Bladder											+		1		

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 Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE Usnic 360 ppm	DAY ON TEST										ANIMAL ID	
	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5		
	0	0	0	0	0	0	0	0	0	0	0 0 0 1 5	
	* 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
Inflammation, Chronic Active					1		1					2 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+		10
Salivary Glands	+	+	+	+	+	+	+	+	+	+		10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+		10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+		10

CARDIOVASCULAR SYSTEM

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C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE Usnic 360 ppm	DAY ON TEST										ANIMAL ID			
	0095	0095	0095	0095	0095	0095	0095	0095	0095	0095				
	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			
	1	1	3	4	5	5	7	8	1	1	1			
	5	6	9	0	5	6	9	0	5	6	6			
													* TOTALS	
Blood Vessel	+	+	+	+	+	+	+	+	+	+				10
Heart	+	+	+	+	+	+	+	+	+	+				10
ENDOCRINE SYSTEM														
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+				10
Subcapsular, Hyperplasia	1	1	1	1	2	1	1	1	1	1				10 1.1
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+				10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+				10
Parathyroid Gland	+	+	+	+	+	+	M	+	+	+				9
Pituitary Gland	+	+	+	+	+	+	+	+	+	+				10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+				10
GENERAL BODY SYSTEM														
NONE														
GENITAL SYSTEM														
Clitoral Gland	+	+	+	+	+	+	+	+	+	+				10
Ovary	+	+	+	+	+	+	+	+	+	+				10
Uterus	+	+	+	+	+	+	+	+	+	+				10

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C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE Usnic 360 ppm	DAY ON TEST										ANIMAL ID			
	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5				
	0	0	0	0	0	0	0	0	0	0	0 0 0 1 5			
												* TOTALS		
Endometrium, Hyperplasia												3	1 3.0	

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+		10	
Lymph Node, Mandibular	+	+	+	+	+	+	M	+	+	+		9	
Lymph Node, Mesenteric Hyperplasia, Lymphoid	+	+	+	+	+	+	+	+	+	+	1	10	1 1.0
Spleen Hematopoietic Cell Proliferation	+	+	+	+	+	+	+	+	+	+	2	10	2 2.0
Thymus Hyperplasia, Lymphoid	+	+	+	+	+	+	+	+	+	+	2 2	10	2 2.0

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+		10	
Skin	+	+	+	+	+	+	+	+	+	+		10	

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+		10	
-------------------	---	---	---	---	---	---	---	---	---	---	--	----	--

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C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE Usnic 360 ppm	DAY ON TEST	0	0	0	0	0	0	0	0	0	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
		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	1	1	
		1	1	3	4	5	5	7	8	1	
		5	6	9	0	5	6	9	0	5	
											* TOTALS
Brain, Cerebellum		+	+	+	+	+	+	+	+	+	10
Brain, Cerebrum		+	+	+	+	+	+	+	+	+	10
RESPIRATORY SYSTEM											
Lung		+	+	+	+	+	+	+	+	+	10
Nose		+	+	+	+	+	+	+	+	+	10
Trachea		+	+	+	+	+	+	+	+	+	10
SPECIAL SENSES SYSTEM											
Eye		+	+	+	+	+	+	+	+	+	10
Harderian Gland		+	+	+	+	+	+	+	+	+	10
URINARY SYSTEM											
Kidney		+	+	+	+	+	+	+	+	+	10
Urinary Bladder		+	+	+	+	+	+	+	+	+	10

*** END OF REPORT ***

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