

Experiment Number: 20702 - 02
Test Type: 90-DAY
Route: DOSED FEED
Species/Strain: MICE/B6C3F1/NCTR

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)

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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C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	Control 0 PPM	USNEA 15 PPM	USNEA 30 PPM	USNEA 60 PPM	USNEA 180 PPM	USNEA 360 PPM
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Disposition Summary

Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Survivors						
Terminal Sacrifice	10	10	10	10	10	10
Animals Examined Microscopically	10				10	10

ALIMENTARY SYSTEM

Esophagus	(10)	(0)	(0)	(0)	(0)	(10)
Gallbladder	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(0)	(10)
Liver	(10)	(0)	(0)	(0)	(10)	(10)
Inflammation, Chronic						1 (10%)
Tension Lipidosis	2 (20%)				1 (10%)	
Hepatocyte, Degeneration						10 (100%)
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Glandular	(10)	(0)	(0)	(0)	(0)	(10)

CARDIOVASCULAR SYSTEM

Blood Vessel	(10)	(0)	(0)	(0)	(0)	(10)
Heart	(10)	(0)	(0)	(0)	(0)	(10)

ENDOCRINE SYSTEM

Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
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a - Number of animals examined microscopically at site and number of animals with lesion

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C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	Control 0 PPM	USNEA 15 PPM	USNEA 30 PPM	USNEA 60 PPM	USNEA 180 PPM	USNEA 360 PPM
Accessory Adrenal Cortical Nodule						1 (10%)
Subcapsular, Hyperplasia	1 (10%)					1 (10%)
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(9)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
Pituitary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Pars Distalis, Cyst	1 (10%)					
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
Ectopic Thymus						1 (10%)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Epididymis	(10)	(0)	(0)	(0)	(0)	(10)
Preputial Gland	(10)	(0)	(0)	(0)	(0)	(10)
Cyst	2 (20%)					1 (10%)
Inflammation, Suppurative	1 (10%)					
Prostate	(10)	(0)	(0)	(0)	(0)	(10)
Seminal Vesicle	(10)	(0)	(0)	(0)	(0)	(10)
Testes	(10)	(0)	(0)	(0)	(0)	(10)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node, Mandibular	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(10)
Hyperplasia, Lymphoid	1 (10%)					
Spleen	(10)	(0)	(0)	(0)	(0)	(10)
Hematopoietic Cell Proliferation						3 (30%)
Hyperplasia, Lymphoid	5 (50%)					4 (40%)
Thymus	(10)	(0)	(0)	(0)	(0)	(9)

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C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	Control 0 PPM	USNEA 15 PPM	USNEA 30 PPM	USNEA 60 PPM	USNEA 180 PPM	USNEA 360 PPM
INTEGUMENTARY SYSTEM						
Skin	(10)	(0)	(0)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM						
Bone, Femur	(10)	(0)	(0)	(0)	(0)	(10)
NERVOUS SYSTEM						
Brain, Brain Stem	(10)	(0)	(0)	(0)	(0)	(10)
Brain, Cerebellum	(10)	(0)	(0)	(0)	(0)	(10)
Brain, Cerebrum	(10)	(0)	(0)	(0)	(0)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(0)	(0)	(10)
Nose	(10)	(0)	(0)	(0)	(0)	(10)
Trachea	(10)	(0)	(0)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(0)	(0)	(10)
Harderian Gland	(10)	(0)	(0)	(0)	(0)	(10)
URINARY SYSTEM						
Kidney	(10)	(0)	(0)	(0)	(0)	(10)
Infiltration Cellular, Lymphocyte	1 (10%)					1 (10%)
Urinary Bladder	(10)	(0)	(0)	(0)	(0)	(10)

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C57BL/6N XC3H/HEN MTV-NCTR MICE MALE

Control 0 PPM

USNEA 15 PPM

USNEA 30 PPM

USNEA 60 PPM

USNEA 180 PPM

USNEA 360 PPM

*** END OF MALE ***

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C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	Control 0 PPM	USNEA 15 PPM	USNEA 30 PPM	USNEA 60 PPM	USNEA 180 PPM	USNEA 360 PPM
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Disposition Summary

Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Moribund Sacrifice	1					
Natural Death						1
Survivors						
Terminal Sacrifice	9	10	10	10	10	9
Animals Examined Microscopically	10			10	10	10

ALIMENTARY SYSTEM

Esophagus	(10)	(0)	(0)	(0)	(0)	(10)
Gallbladder	(10)	(0)	(0)	(0)	(0)	(9)
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(0)	(9)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(0)	(9)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(0)	(9)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(0)	(9)
Epithelium, Hyperplasia	1 (10%)					
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(0)	(9)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(0)	(9)
Liver	(10)	(0)	(0)	(10)	(10)	(9)
Inflammation, Chronic Active				2 (20%)	3 (30%)	
Tension Lipidosis	1 (10%)					
Vacuolization Cytoplasmic	1 (10%)					
Hepatocyte, Degeneration	1 (10%)				1 (10%)	8 (89%)
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Cyst						1 (10%)
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(0)	(9)
Stomach, Glandular	(10)	(0)	(0)	(0)	(0)	(9)

CARDIOVASCULAR SYSTEM

Blood Vessel	(10)	(0)	(0)	(0)	(0)	(10)
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Heart	(10)	(0)	(0)	(0)	(0)	(10)
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Vacuolization Cytoplasmic	1 (10%)					
Subcapsular, Hyperplasia	8 (80%)					9 (90%)
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
Pituitary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Pars Distalis, Hyperplasia	1 (10%)					
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
Ectopic Thymus	1 (10%)					1 (10%)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland	(10)	(0)	(0)	(0)	(0)	(9)
Ovary	(10)	(0)	(0)	(10)	(10)	(10)
Atrophy	1 (10%)				7 (70%)	10 (100%)
Uterus	(10)	(0)	(0)	(0)	(0)	(10)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node, Mandibular	(10)	(0)	(0)	(0)	(0)	(10)
Hyperplasia, Lymphoid	1 (10%)					3 (30%)
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(9)
Hyperplasia, Lymphoid	2 (20%)					

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Spleen	(10)	(0)	(0)	(0)	(0)	(9)
Depletion Lymphoid	1 (10%)					
Hematopoietic Cell Proliferation	6 (60%)					7 (78%)
Hyperplasia, Lymphoid	3 (30%)					4 (44%)
Pigmentation						1 (11%)
Thymus	(10)	(0)	(0)	(0)	(0)	(9)
Atrophy	1 (10%)					
INTEGUMENTARY SYSTEM						
Mammary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Skin	(10)	(0)	(0)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM						
Bone, Femur	(10)	(0)	(0)	(0)	(0)	(9)
Hyperplasia	1 (10%)					
NERVOUS SYSTEM						
Brain, Brain Stem	(10)	(0)	(0)	(0)	(0)	(10)
Brain, Cerebellum	(10)	(0)	(0)	(0)	(0)	(10)
Brain, Cerebrum	(10)	(0)	(0)	(0)	(0)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(0)	(0)	(10)
Nose	(10)	(0)	(0)	(0)	(0)	(10)
Trachea	(10)	(0)	(0)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(0)	(0)	(9)

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Harderian Gland	(10)	(0)	(0)	(0)	(0)	(10)
<hr/>						
URINARY SYSTEM						
Kidney	(10)	(0)	(0)	(0)	(0)	(10)
Nephropathy	1 (10%)					
Glomerulus, Amyloid Deposition	1 (10%)					
Urinary Bladder	(10)	(0)	(0)	(0)	(0)	(10)

*** END OF REPORT ***

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