

Experiment Number: 20314 - 01

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH
AVERAGE SEVERITY GRADES[b]**

Date Report Requested: 09/08/2016

Test Type: 90-DAY

Glycidamide

Time Report Requested: 14:27:00

Route: DOSED WATER

CAS Number: 5694-00-8

First Dose M/F: 07/26/04 / 07/26/04

Species/Strain: RATS/F 344/NCTR

Lab: NCTR

NTP Study Number: C20314
Lock Date: 03/06/2013
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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FISCHER 344 RATS-NCTR RATS MALE	CONTROL	12.2 UG/ML	30.6 UG/ML	61.2 UG/ML	122 UG/ML	306 UG/ML
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Disposition Summary

Animals Initially In Study	8	8	8	8	8	8
Early Deaths						
Survivors						
Terminal Sacrifice	8	8	8	8	8	8
Animals Examined Microscopically	8	8	8	8	8	8

ALIMENTARY SYSTEM

Esophagus	(8)	(0)	(0)	(0)	(0)	(8)
Intestine Large, Cecum	(8)	(0)	(0)	(0)	(0)	(8)
Intestine Large, Colon	(8)	(0)	(0)	(0)	(0)	(8)
Intestine Large, Rectum	(8)	(0)	(0)	(0)	(0)	(8)
Intestine Small, Duodenum	(8)	(0)	(0)	(0)	(0)	(8)
Intestine Small, Ileum	(8)	(0)	(0)	(0)	(0)	(8)
Intestine Small, Jejunum	(8)	(0)	(0)	(0)	(0)	(8)
Liver	(8)	(2)	(1)	(0)	(1)	(8)
Hematopoietic Cell Proliferation						1 [1.0]
Hepatodiaphragmatic Nodule	1		1			
Left Lateral Lobe, Developmental Malformation	1	2			1	1
Pancreas	(8)	(0)	(0)	(0)	(0)	(8)
Salivary Glands	(8)	(0)	(0)	(0)	(0)	(8)
Stomach, Forestomach	(8)	(0)	(0)	(0)	(0)	(8)
Stomach, Glandular	(8)	(0)	(0)	(0)	(0)	(8)
Tongue	(8)	(0)	(0)	(0)	(0)	(8)

CARDIOVASCULAR SYSTEM

Blood Vessel	(8)	(0)	(0)	(0)	(0)	(8)
Heart	(8)	(0)	(0)	(0)	(0)	(8)
Artery, Inflammation	1 [2.0]					
Myocardium, Inflammation, Focal	5 [1.8]					4 [1.0]

a - Number of animals examined microscopically at site and number of animals with lesion

b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

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ENDOCRINE SYSTEM

Adrenal Cortex	(8)	(0)	(0)	(0)	(0)	(8)
Adrenal Medulla	(8)	(0)	(0)	(0)	(0)	(8)
Islets, Pancreatic	(8)	(0)	(0)	(0)	(0)	(8)
Parathyroid Gland	(8)	(0)	(0)	(0)	(0)	(8)
Pituitary Gland	(8)	(0)	(0)	(0)	(0)	(7)
Thyroid Gland	(8)	(0)	(0)	(0)	(0)	(8)

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Epididymis	(8)	(8)	(8)	(8)	(8)	(8)
Exfoliated Germ Cell			3 [1.0]	8 [1.9]	8 [3.0]	8 [4.0]
Hypospermia				6 [1.5]	8 [2.9]	8 [4.0]
Preputial Gland	(8)	(1)	(0)	(0)	(0)	(8)
Inflammation						1 [2.0]
Inflammation, Suppurative	2 [3.0]	1 [2.0]				5 [2.2]
Inflammation, Chronic	3 [1.7]					1 [2.0]
Prostate	(8)	(0)	(0)	(0)	(0)	(8)
Inflammation, Suppurative	1 [3.0]					
Seminal Vesicle	(8)	(0)	(0)	(0)	(0)	(8)
Testes	(8)	(8)	(8)	(8)	(8)	(8)
Germinal Epithelium, Degeneration		2 [1.0]	3 [1.0]	8 [1.9]	8 [2.8]	8 [3.9]

HEMATOPOIETIC SYSTEM

Bone Marrow	(8)	(0)	(0)	(0)	(0)	(8)
Lymph Node, Mandibular	(8)	(0)	(0)	(0)	(0)	(8)
Lymph Node, Mesenteric	(8)	(0)	(0)	(0)	(0)	(8)
Spleen	(8)	(1)	(0)	(0)	(0)	(8)

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Congestion						1 [2.0]
Developmental Malformation		1				
Thymus	(8)	(0)	(0)	(0)	(0)	(8)
INTEGUMENTARY SYSTEM						
Mammary Gland	(8)	(0)	(0)	(0)	(0)	(8)
Skin	(8)	(0)	(0)	(0)	(0)	(8)
MUSCULOSKELETAL SYSTEM						
Bone, Femur	(8)	(0)	(0)	(0)	(0)	(8)
Skeletal Muscle	(8)	(0)	(0)	(0)	(0)	(8)
NERVOUS SYSTEM						
Brain, Brain Stem	(8)	(0)	(0)	(0)	(0)	(8)
Brain, Cerebellum	(8)	(0)	(0)	(0)	(0)	(8)
Brain, Cerebrum	(8)	(0)	(0)	(0)	(0)	(8)
Peripheral Nerve	(8)	(0)	(0)	(0)	(0)	(8)
Spinal Cord, Cervical	(8)	(0)	(0)	(0)	(0)	(8)
Spinal Cord, Lumbar	(8)	(0)	(0)	(0)	(0)	(8)
Axon, Degeneration						2 [1.0]
Spinal Cord, Thoracic	(8)	(0)	(0)	(0)	(0)	(8)
RESPIRATORY SYSTEM						
Lung	(8)	(0)	(0)	(0)	(0)	(8)
Artery, Mineralization	1 [1.0]					
Nose	(8)	(0)	(0)	(0)	(0)	(8)
Goblet Cell, Hyperplasia	7 [1.6]					5 [2.2]
Trachea	(8)	(0)	(0)	(0)	(0)	(8)

a - Number of animals examined microscopically at site and number of animals with lesion

b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

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FISCHER 344 RATS-NCTR RATS MALE	CONTROL	12.2 UG/ML	30.6 UG/ML	61.2 UG/ML	122 UG/ML	306 UG/ML
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SPECIAL SENSES SYSTEM						
Eye	(8)	(0)	(0)	(0)	(0)	(8)
Retina, Degeneration						1 [1.0]
Harderian Gland	(8)	(0)	(0)	(0)	(0)	(8)
Inflammation, Chronic	1 [2.0]					
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URINARY SYSTEM						
Kidney	(8)	(0)	(0)	(0)	(0)	(8)
Cortex, Inflammation, Chronic						1 [1.0]
Urinary Bladder	(8)	(0)	(0)	(0)	(0)	(8)
Dilatation						2 [2.5]

*** END OF MALE ***

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Disposition Summary

Animals Initially In Study	8	8	8	8	8	8
Early Deaths						
Survivors						
Terminal Sacrifice	8	8	8	8	8	8
Animals Examined Microscopically	8	3	4	4	3	8

ALIMENTARY SYSTEM

Esophagus	(8)	(0)	(0)	(0)	(0)	(8)
Intestine Large, Cecum	(8)	(0)	(0)	(0)	(0)	(8)
Intestine Large, Colon	(8)	(0)	(0)	(0)	(0)	(8)
Intestine Large, Rectum	(8)	(0)	(0)	(0)	(0)	(8)
Intestine Small, Duodenum	(8)	(0)	(0)	(0)	(0)	(8)
Intestine Small, Ileum	(8)	(0)	(0)	(0)	(0)	(8)
Intestine Small, Jejunum	(8)	(0)	(0)	(0)	(0)	(8)
Liver	(8)	(2)	(2)	(2)	(1)	(8)
Hepatodiaphragmatic Nodule		1	1			
Inflammation, Focal, Chronic Active						1 [1.0]
Tension Lipidosis						1
Left Lateral Lobe, Developmental Malformation	1	1	1	2	1	
Mesentery	(1)	(0)	(0)	(0)	(0)	(1)
Fat, Necrosis	1 [3.0]					1 [2.0]
Pancreas	(8)	(0)	(0)	(0)	(0)	(8)
Acinus, Atrophy						1 [1.0]
Salivary Glands	(8)	(0)	(0)	(0)	(0)	(8)
Stomach, Forestomach	(8)	(0)	(0)	(0)	(0)	(8)
Stomach, Glandular	(8)	(0)	(0)	(0)	(0)	(8)
Tongue	(8)	(0)	(0)	(0)	(0)	(8)

CARDIOVASCULAR SYSTEM

Blood Vessel	(8)	(0)	(0)	(0)	(0)	(8)
Heart	(8)	(0)	(0)	(0)	(0)	(8)

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Myocardium, Inflammation, Focal	2 [1.0]					3 [1.0]

ENDOCRINE SYSTEM

Adrenal Cortex	(8)	(0)	(0)	(0)	(0)	(8)
Adrenal Medulla	(8)	(0)	(0)	(0)	(0)	(8)
Islets, Pancreatic	(8)	(0)	(0)	(0)	(0)	(8)
Parathyroid Gland	(8)	(0)	(0)	(0)	(0)	(8)
Pituitary Gland	(8)	(0)	(0)	(0)	(0)	(8)
Thyroid Gland	(8)	(0)	(0)	(0)	(0)	(8)

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Clitoral Gland	(8)	(0)	(0)	(0)	(0)	(8)
Inflammation, Suppurative	3 [2.7]					1 [2.0]
Inflammation, Chronic	3 [2.0]					5 [2.0]
Ovary	(8)	(2)	(0)	(1)	(0)	(8)
Cyst	2	2		1		2
Corpus Luteum, Cyst						1
Uterus	(8)	(1)	(3)	(1)	(2)	(8)
Dilatation	2 [3.0]	1 [3.0]	3 [2.7]	1 [3.0]	2 [3.0]	2 [3.0]

HEMATOPOIETIC SYSTEM

Bone Marrow	(8)	(0)	(0)	(0)	(0)	(8)
Lymph Node, Mandibular	(8)	(0)	(0)	(0)	(0)	(8)
Lymph Node, Mesenteric	(8)	(0)	(0)	(0)	(0)	(8)
Spleen	(8)	(0)	(0)	(0)	(0)	(8)
Thymus	(8)	(0)	(0)	(0)	(0)	(8)

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INTEGUMENTARY SYSTEM						
Mammary Gland	(8)	(0)	(0)	(0)	(0)	(8)
Skin	(8)	(0)	(0)	(0)	(0)	(8)
MUSCULOSKELETAL SYSTEM						
Bone, Femur	(8)	(0)	(0)	(0)	(0)	(8)
Skeletal Muscle	(8)	(0)	(0)	(0)	(0)	(8)
NERVOUS SYSTEM						
Brain, Brain Stem	(8)	(0)	(0)	(0)	(0)	(8)
Brain, Cerebellum	(8)	(0)	(0)	(0)	(0)	(8)
Brain, Cerebrum	(8)	(0)	(0)	(0)	(0)	(8)
Peripheral Nerve	(8)	(0)	(0)	(0)	(0)	(8)
Axon, Degeneration						1 [1.0]
Schwann Cell, Degeneration						1 [1.0]
Spinal Cord, Cervical	(8)	(0)	(0)	(0)	(0)	(8)
Developmental Malformation	1					
Spinal Cord, Lumbar	(8)	(0)	(0)	(0)	(0)	(8)
Axon, Degeneration						3 [1.3]
Spinal Cord, Thoracic	(8)	(0)	(0)	(0)	(0)	(8)
Developmental Malformation	1					
RESPIRATORY SYSTEM						
Lung	(8)	(1)	(0)	(1)	(0)	(8)
Hemorrhage		1 [1.0]				
Nose	(8)	(0)	(0)	(0)	(0)	(8)
Goblet Cell, Hyperplasia	3 [1.0]					6 [1.8]
Trachea	(8)	(0)	(0)	(0)	(0)	(8)

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SPECIAL SENSES SYSTEM

Eye	(8)	(0)	(0)	(0)	(0)	(8)
Harderian Gland	(8)	(0)	(0)	(0)	(0)	(8)
Inflammation, Chronic	1 [1.0]					1 [3.0]

URINARY SYSTEM

Kidney	(8)	(0)	(0)	(0)	(0)	(8)
Hydronephrosis	1 [2.0]					1 [2.0]
Cortex, Mineralization	7 [2.6]					4 [2.5]
Urinary Bladder	(8)	(0)	(0)	(0)	(0)	(8)

*** END OF REPORT ***

a - Number of animals examined microscopically at site and number of animals with lesion

b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)