

Experiment Number: 20314 - 04

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

Date Report Requested: 12/17/2014

Test Type: CHRONIC

Glycidamide

Time Report Requested: 07:40:57

Route: DOSED WATER

CAS Number: 5694-00-8

First Dose M/F: 06/02/05 / 06/02/05

Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

NTP Study Number: C20314
Lock Date: 10/03/2011
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.2.2_002
PWG Approval Date: NONE

Test Type: CHRONIC

Glycidamide

Time Report Requested: 07:40:57

Route: DOSED WATER

CAS Number: 5694-00-8

First Dose M/F: 06/02/05 / 06/02/05

Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	0.70 GLYCID	0.35 GLYCID	0.175 GLYCID	0.0875 GLYCID	CONTROL WATER
--------------------------------------	-------------	-------------	--------------	---------------	---------------

Disposition Summary

Animals Initially In Study	48	48	48	48	48
Early Deaths					
Moribund Sacrifice	11	16	11	4	
Natural Death	9	3	2	3	1
Survivors					
Moribund Sacrifice	2	2	1		2
Natural Death	1	1			
Terminal Sacrifice	25	26	34	41	45
Animals Examined Microscopically	48	48	48	48	48

ALIMENTARY SYSTEM

Esophagus	(46)	(47)	(47)	(48)	(47)
Gallbladder	(39)	(45)	(46)	(45)	(46)
Infiltration Cellular, Lymphocyte		1 [3.0]			
Intestine Large, Cecum	(39)	(44)	(46)	(45)	(47)
Hyperplasia, Lymphoid	2 [2.0]	4 [1.8]	4 [2.0]	3 [2.0]	1 [2.0]
Intestine Large, Colon	(39)	(45)	(47)	(45)	(47)
Intestine Large, Rectum	(39)	(45)	(47)	(45)	(47)
Intestine Small, Duodenum	(39)	(44)	(46)	(45)	(47)
Epithelium, Hyperplasia	1 [3.0]				
Intestine Small, Ileum	(39)	(44)	(46)	(45)	(47)
Hyperplasia, Lymphoid	2 [2.0]			1 [2.0]	
Intestine Small, Jejunum	(39)	(44)	(46)	(45)	(47)
Hyperplasia, Lymphoid	1 [2.0]			1 [2.0]	1 [3.0]
Epithelium, Hyperplasia			1 [4.0]		
Liver	(48)	(47)	(47)	(47)	(47)
Angiectasis	1 [1.0]				
Basophilic Focus	2	4	2		
Basophilic Focus, Multiple	1				
Cyst		1 [2.0]			
Eosinophilic Focus	2				
Hematopoietic Cell Proliferation	1 [3.0]		2 [1.0]	1 [1.0]	2 [2.0]
Infiltration Cellular, Lymphocyte		3 [2.0]	1 [1.0]	1 [1.0]	2 [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)

Test Type: CHRONIC

Glycidamide

Time Report Requested: 07:40:57

Route: DOSED WATER

CAS Number: 5694-00-8

First Dose M/F: 06/02/05 / 06/02/05

Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	0.70 GLYCID	0.35 GLYCID	0.175 GLYCID	0.0875 GLYCID	CONTROL WATER
Infiltration Cellular, Polymorphonuclear Inflammation, Suppurative	1 [4.0]			1 [4.0]	
Inflammation, Chronic Active	1 [1.0]	1 [1.0]		3 [1.3]	1 [1.0]
Mineralization		1 [2.0]			
Mixed Cell Focus			1		
Necrosis	3 [3.7]	3 [3.3]	1 [3.0]	3 [3.0]	
Tension Lipidosis		1 [3.0]		1 [2.0]	
Vacuolization Cytoplasmic		1 [1.0]	1 [1.0]		2 [1.0]
Bile Duct, Hyperplasia					1 [3.0]
Kupffer Cell, Hyperplasia	1 [4.0]				
Oval Cell, Hyperplasia	1 [3.0]				1 [3.0]
Mesentery	(1)	(1)	(0)	(1)	(2)
Hemorrhage				1 [4.0]	
Fat, Necrosis		1 [3.0]			1 [3.0]
Oral Mucosa	(2)	(0)	(0)	(1)	(0)
Pancreas	(45)	(47)	(47)	(46)	(47)
Cyst		1 [4.0]			
Infiltration Cellular, Lymphocyte	3 [1.0]	1 [1.0]		3 [1.3]	7 [1.0]
Acinus, Degeneration	3 [2.0]	6 [1.0]	4 [1.3]	1 [2.0]	4 [1.5]
Duct, Dilatation	2 [3.0]				
Salivary Glands	(44)	(46)	(47)	(47)	(47)
Infiltration Cellular, Lymphocyte	18 [1.2]	17 [1.1]	20 [1.1]	22 [1.3]	26 [1.4]
Stomach, Forestomach	(41)	(45)	(48)	(45)	(47)
Cyst Epithelial Inclusion			2		
Ulcer				1 [2.0]	
Epithelium, Hyperplasia	12 [2.0]	5 [2.2]	5 [1.8]	2 [2.0]	5 [1.6]
Serosa, Necrosis		1 [3.0]			
Stomach, Glandular	(38)	(44)	(46)	(45)	(47)
Epithelium, Hyperplasia	1 [2.0]			1 [3.0]	
Tongue	(0)	(1)	(0)	(0)	(0)
CARDIOVASCULAR SYSTEM					
Blood Vessel	(47)	(47)	(47)	(48)	(47)
Heart	(46)	(47)	(47)	(48)	(47)

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)

Test Type: CHRONIC

Glycidamide

Time Report Requested: 07:40:57

Route: DOSED WATER

CAS Number: 5694-00-8

First Dose M/F: 06/02/05 / 06/02/05

Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	0.70 GLYCID	0.35 GLYCID	0.175 GLYCID	0.0875 GLYCID	CONTROL WATER
--------------------------------------	-------------	-------------	--------------	---------------	---------------

Infiltration Cellular, Polymorphonuclear	1 [4.0]				
--	---------	--	--	--	--

ENDOCRINE SYSTEM

Adrenal Cortex	(44)	(45)	(47)	(47)	(47)
Accessory Adrenal Cortical Nodule		2	2	1	
Subcapsular, Hyperplasia	36 [1.4]	39 [1.2]	45 [1.2]	38 [1.3]	43 [1.3]
Adrenal Medulla	(43)	(45)	(47)	(46)	(47)
Hyperplasia					1 [3.0]
Islets, Pancreatic	(44)	(47)	(47)	(47)	(47)
Hyperplasia	2 [2.0]	2 [2.5]		2 [2.0]	1 [2.0]
Infiltration Cellular, Lymphocyte		1 [2.0]			
Parathyroid Gland	(42)	(42)	(43)	(48)	(43)
Cyst	2 [1.5]	1 [2.0]	1 [3.0]		2 [2.0]
Pituitary Gland	(42)	(42)	(47)	(44)	(45)
Pars Distalis, Cyst	1 [1.0]		2 [1.5]		1 [2.0]
Thyroid Gland	(43)	(44)	(47)	(48)	(47)
Cyst			1 [2.0]		
Infiltration Cellular, Lymphocyte					1 [1.0]
Follicle, Degeneration	4 [1.8]	2 [1.0]	2 [1.0]	4 [1.3]	2 [1.5]

GENERAL BODY SYSTEM

Tissue NOS	(1)	(1)	(0)	(0)	(0)
------------	-----	-----	-----	-----	-----

GENITAL SYSTEM

Epididymis	(43)	(46)	(47)	(47)	(47)
Exfoliated Germ Cell	1 [3.0]		1 [3.0]		
Hypospermia	3 [2.3]		3 [3.0]		2 [2.0]
Infiltration Cellular, Lymphocyte				1 [2.0]	
Infiltration Cellular, Polymorphonuclear	1 [4.0]				
Inflammation, Chronic	3 [2.7]		2 [2.5]	1 [2.0]	
Inflammation, Chronic Active					1 [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)

Test Type: CHRONIC

Glycidamide

Time Report Requested: 07:40:57

Route: DOSED WATER

CAS Number: 5694-00-8

First Dose M/F: 06/02/05 / 06/02/05

Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	0.70 GLYCID	0.35 GLYCID	0.175 GLYCID	0.0875 GLYCID	CONTROL WATER
Spermatocoele	1 [3.0]				
Penis	(0)	(0)	(1)	(0)	(0)
Inflammation, Chronic Active			1 [2.0]		
Ulcer			1 [2.0]		
Preputial Gland	(44)	(46)	(46)	(47)	(47)
Cyst	4 [2.8]	1 [2.0]	5 [2.4]	2 [1.5]	3 [2.3]
Degeneration	9 [3.1]	12 [3.3]	5 [3.8]	10 [2.9]	4 [2.8]
Hyperkeratosis			1 [4.0]	1 [3.0]	1 [2.0]
Infiltration Cellular, Lymphocyte	1 [3.0]	4 [2.5]	1 [2.0]		3 [1.0]
Inflammation, Suppurative	7 [2.7]	3 [2.0]	2 [2.5]	5 [2.4]	
Inflammation, Chronic Active	2 [3.0]			1 [1.0]	1 [1.0]
Duct, Dilatation	4 [3.5]		1 [4.0]		
Prostate	(41)	(45)	(47)	(47)	(47)
Inflammation, Suppurative			1 [3.0]		
Inflammation, Chronic Active	1 [4.0]				
Epithelium, Hyperplasia	1 [3.0]				
Seminal Vesicle	(41)	(45)	(47)	(46)	(47)
Atrophy		1 [3.0]			
Lumen, Dilatation	1 [3.0]	1 [2.0]	2 [1.5]	1 [2.0]	
Testes	(42)	(46)	(46)	(46)	(47)
Mineralization		1 [1.0]			
Seminiferous Tubule, Degeneration	5 [2.4]	2 [1.5]	3 [3.3]		2 [2.0]

HEMATOPOIETIC SYSTEM

Bone Marrow	(44)	(46)	(47)	(47)	(47)
Hyperplasia	8 [2.5]	5 [2.4]	5 [2.8]	3 [2.0]	3 [2.0]
Lymph Node	(6)	(6)	(2)	(5)	(4)
Axillary, Hyperplasia, Lymphoid	1 [3.0]		1 [2.0]	1 [2.0]	
Iliac, Hyperplasia, Lymphoid	1 [3.0]	1 [1.0]			
Iliac, Infiltration Cellular, Polymorphonuclear	1 [3.0]				
Inguinal, Hyperplasia, Lymphoid	1 [2.0]	2 [1.5]	1 [2.0]		
Inguinal, Infiltration Cellular, Plasma Cell	1 [2.0]				
Lumbar, Hyperplasia, Lymphoid			1 [1.0]		1 [4.0]

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)

Test Type: CHRONIC

Glycidamide

Time Report Requested: 07:40:57

Route: DOSED WATER

CAS Number: 5694-00-8

First Dose M/F: 06/02/05 / 06/02/05

Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	0.70 GLYCID	0.35 GLYCID	0.175 GLYCID	0.0875 GLYCID	CONTROL WATER
Lumbar, Infiltration Cellular, Polymorphonuclear	1 [4.0]				
Mediastinal, Hyperplasia, Lymphoid		1 [3.0]			1 [4.0]
Renal, Hyperplasia, Lymphoid	1 [3.0]				1 [4.0]
Renal, Infiltration Cellular, Polymorphonuclear	1 [4.0]				
Lymph Node, Mandibular	(43)	(45)	(47)	(47)	(47)
Hyperplasia, Lymphoid	7 [2.0]	10 [2.4]	5 [1.8]	4 [1.3]	7 [2.0]
Infiltration Cellular, Histiocyte	2 [2.0]	1 [2.0]			
Infiltration Cellular, Mast Cell	2 [3.0]	1 [2.0]	1 [2.0]		
Infiltration Cellular, Plasma Cell	4 [2.3]	3 [2.0]	1 [2.0]		1 [3.0]
Infiltration Cellular, Polymorphonuclear	1 [4.0]				
Pigmentation	1 [1.0]		1 [1.0]		
Sinus, Dilatation	1 [3.0]				
Lymph Node, Mesenteric	(42)	(45)	(47)	(46)	(47)
Angiectasis	3 [2.0]	5 [3.2]	3 [2.0]	5 [2.2]	9 [2.4]
Hematopoietic Cell Proliferation	4 [2.5]				
Hemorrhage	9 [2.8]	4 [2.3]	4 [2.0]	12 [2.2]	5 [2.2]
Hyperplasia, Lymphoid	12 [2.5]	16 [1.8]	21 [2.3]	12 [2.1]	25 [2.1]
Infiltration Cellular, Histiocyte	5 [3.0]	5 [3.0]	3 [3.0]	4 [3.3]	5 [2.8]
Infiltration Cellular, Mast Cell	2 [2.0]		1 [2.0]	2 [2.0]	
Infiltration Cellular, Polymorphonuclear	1 [4.0]				1 [2.0]
Sinus, Dilatation	1 [4.0]			1 [2.0]	
Spleen	(44)	(46)	(47)	(47)	(47)
Congestion	1 [4.0]				
Depletion Lymphoid		2 [2.5]			
Hematopoietic Cell Proliferation	17 [3.1]	14 [3.1]	12 [3.3]	6 [3.2]	6 [3.7]
Hyperplasia, Lymphoid	23 [2.6]	22 [2.5]	22 [2.4]	31 [2.4]	34 [2.7]
Inflammation, Granulomatous			1 [4.0]		
Necrosis		1 [4.0]			
Pigmentation	1 [2.0]				
Thymus	(34)	(39)	(43)	(45)	(43)
Atrophy	16 [3.1]	21 [3.1]	17 [3.2]	25 [2.7]	28 [2.7]
Hyperplasia, Lymphoid		1 [2.0]	1 [2.0]		

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)

Test Type: CHRONIC

Glycidamide

Time Report Requested: 07:40:57

Route: DOSED WATER

CAS Number: 5694-00-8

First Dose M/F: 06/02/05 / 06/02/05

Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	0.70 GLYCID	0.35 GLYCID	0.175 GLYCID	0.0875 GLYCID	CONTROL WATER
--------------------------------------	-------------	-------------	--------------	---------------	---------------

INTEGUMENTARY SYSTEM

Mammary Gland	(1)	(2)	(0)	(1)	(3)
Skin	(46)	(47)	(47)	(48)	(47)
Fibrosis		1 [2.0]		1 [3.0]	
Inflammation, Chronic Active	1 [2.0]	1 [2.0]	1 [2.0]		
Metaplasia, Osseous					1 [4.0]
Mineralization		1 [4.0]			
Ulcer	1 [2.0]				
Epithelium, Hyperplasia	1 [2.0]		1 [2.0]		
Sebaceous Gland, Hyperplasia		1 [2.0]			

MUSCULOSKELETAL SYSTEM

Bone, Femur	(47)	(48)	(48)	(48)	(48)
Skeletal Muscle	(47)	(47)	(47)	(47)	(48)
Degeneration		1 [3.0]			

NERVOUS SYSTEM

Brain, Brain Stem	(42)	(46)	(46)	(47)	(47)
Brain, Cerebellum	(42)	(46)	(46)	(47)	(47)
Hemorrhage			1 [1.0]		
Brain, Cerebrum	(42)	(46)	(46)	(47)	(47)
Cyst				1 [1.0]	
Mineralization	20 [1.2]	29 [1.2]	32 [1.2]	30 [1.2]	33 [1.2]
Meninges, Arteritis					1 [1.0]
Peripheral Nerve, Sciatic	(42)	(46)	(47)	(47)	(47)
Axon, Degeneration	32 [1.3]	30 [1.3]	30 [1.3]	37 [1.1]	36 [1.1]
Spinal Cord, Cervical	(39)	(44)	(46)	(46)	(47)
Axon, Degeneration	12 [1.0]	11 [1.0]	3 [1.0]	8 [1.0]	8 [1.0]
Nerve, Degeneration			1 [1.0]		
Spinal Cord, Lumbar	(39)	(45)	(46)	(46)	(47)
Axon, Degeneration	1 [1.0]		4 [1.0]	10 [1.0]	9 [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)

Test Type: CHRONIC

Glycidamide

Time Report Requested: 07:40:57

Route: DOSED WATER

CAS Number: 5694-00-8

First Dose M/F: 06/02/05 / 06/02/05

Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	0.70 GLYCID	0.35 GLYCID	0.175 GLYCID	0.0875 GLYCID	CONTROL WATER
Nerve, Degeneration	34 [1.6]	35 [1.3]	37 [1.2]	41 [1.5]	39 [1.2]
Spinal Cord, Thoracic	(39)	(45)	(46)	(46)	(47)
Axon, Degeneration	26 [1.0]	24 [1.0]	23 [1.0]	28 [1.0]	37 [1.0]
Nerve, Degeneration			1 [1.0]	1 [1.0]	1 [1.0]

RESPIRATORY SYSTEM

Lung	(47)	(47)	(47)	(46)	(47)
Congestion			1 [4.0]		
Hemorrhage	1 [2.0]				
Infiltration Cellular, Histiocyte	4 [3.8]	1 [3.0]		1 [1.0]	
Infiltration Cellular, Lymphocyte			1 [1.0]		
Inflammation, Chronic	1 [1.0]				
Alveolar Epithelium, Hyperplasia	6 [2.5]	3 [3.3]	4 [2.3]	1 [2.0]	
Alveolus, Infiltration Cellular, Histiocyte	1 [1.0]				
Nose	(45)	(47)	(47)	(46)	(47)
Amyloid Deposition			1 [2.0]		
Crystals	1 [1.0]	1 [3.0]	2 [1.5]		
Foreign Body		1			
Hyaline Droplet	1 [1.0]	2 [1.5]	11 [1.6]	6 [2.0]	13 [1.8]
Inflammation, Suppurative	1 [1.0]	1 [2.0]		1 [2.0]	
Trachea	(45)	(46)	(46)	(48)	(47)

SPECIAL SENSES SYSTEM

Eye	(42)	(44)	(46)	(45)	(47)
Cataract	17 [2.0]	8 [2.3]	7 [2.1]	3 [1.0]	1 [4.0]
Cornea, Inflammation, Chronic	1 [1.0]				
Cornea, Inflammation, Chronic Active	7 [2.3]		2 [2.5]		
Cornea, Ulcer	3 [3.3]		1 [4.0]		
Harderian Gland	(47)	(46)	(47)	(47)	(47)
Cyst	1 [4.0]				
Infiltration Cellular, Lymphocyte			1 [1.0]		4 [1.3]
Epithelium, Hyperplasia	1 [2.0]	2 [2.0]	2 [2.5]	1 [3.0]	
Zymbal's Gland	(1)	(0)	(0)	(0)	(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)

Test Type: CHRONIC

Glycidamide

Time Report Requested: 07:40:57

Route: DOSED WATER

CAS Number: 5694-00-8

First Dose M/F: 06/02/05 / 06/02/05

Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	0.70 GLYCID	0.35 GLYCID	0.175 GLYCID	0.0875 GLYCID	CONTROL WATER
--------------------------------------	-------------	-------------	--------------	---------------	---------------

Keratin Cyst

1

URINARY SYSTEM

Kidney	(46)	(46)	(47)	(47)	(47)
Autolysis	1 [4.0]	1 [4.0]			
Cyst					1 [2.0]
Degeneration	1 [4.0]				
Hyaline Droplet	2 [3.5]	3 [3.7]	1 [3.0]		
Hydronephrosis	1 [4.0]				1 [2.0]
Infarct	1 [2.0]	1 [2.0]			1 [2.0]
Infiltration Cellular, Lymphocyte	9 [1.4]	8 [1.5]	19 [1.1]	12 [1.1]	20 [1.5]
Infiltration Cellular, Polymorphonuclear	1 [4.0]				
Inflammation, Chronic					1 [3.0]
Nephropathy	16 [1.1]	12 [1.1]	14 [1.3]	18 [1.1]	15 [1.0]
Urinary Bladder	(41)	(45)	(47)	(46)	(47)
Infiltration Cellular, Lymphocyte	1 [1.0]	3 [1.0]	3 [1.0]	4 [1.0]	7 [1.0]
Infiltration Cellular, Polymorphonuclear	1 [4.0]				
Inflammation, Suppurative	1 [4.0]				
Lumen, Dilatation	2 [3.5]	1 [3.0]	3 [4.0]	2 [4.0]	3 [3.7]

*** END OF MALE ***

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)

Test Type: CHRONIC

Glycidamide

Time Report Requested: 07:40:57

Route: DOSED WATER

CAS Number: 5694-00-8

First Dose M/F: 06/02/05 / 06/02/05

Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	0.70 GLYCID	0.35 GLYCID	0.175 GLYCID	0.0875 GLYCID	CONTROL WATER
--	-------------	-------------	--------------	---------------	---------------

Disposition Summary

Animals Initially In Study	48	48	48	48	48
Early Deaths					
Moribund Sacrifice	32	7	6	2	2
Natural Death	6	4	2	2	1
Survivors					
Moribund Sacrifice	2	5	2		2
Natural Death		1		2	2
Terminal Sacrifice	8	31	38	42	41
Animals Examined Microscopically	48	48	48	48	47

ALIMENTARY SYSTEM

Esophagus	(45)	(47)	(46)	(48)	(46)
Gallbladder	(41)	(44)	(47)	(44)	(45)
Infiltration Cellular, Lymphocyte				1 [1.0]	
Intestine Large, Cecum	(42)	(45)	(46)	(44)	(45)
Hyperplasia, Lymphoid	1 [2.0]	4 [2.0]			2 [2.5]
Intestine Large, Colon	(43)	(45)	(47)	(45)	(45)
Intestine Large, Rectum	(43)	(45)	(46)	(45)	(45)
Intestine Small, Duodenum	(42)	(45)	(46)	(44)	(45)
Hyperplasia, Lymphoid	1 [3.0]				
Intestine Small, Ileum	(42)	(45)	(46)	(44)	(45)
Hyperplasia, Lymphoid		1 [2.0]			
Inflammation, Suppurative				1 [4.0]	
Ulcer				1 [4.0]	
Intestine Small, Jejunum	(42)	(45)	(46)	(44)	(45)
Hyperplasia, Lymphoid		1 [1.0]	1 [3.0]	1 [3.0]	
Liver	(43)	(46)	(47)	(48)	(47)
Angiectasis	5 [2.4]		1 [2.0]		
Basophilic Focus	4	1	3		2
Cyst	1 [2.0]	1 [4.0]			3 [2.7]
Eosinophilic Focus				2	
Eosinophilic Focus, Multiple	1				
Hematopoietic Cell Proliferation	6 [1.8]	5 [1.4]	3 [1.0]	11 [1.5]	6 [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)

Test Type: CHRONIC

Glycidamide

Time Report Requested: 07:40:57

Route: DOSED WATER

CAS Number: 5694-00-8

First Dose M/F: 06/02/05 / 06/02/05

Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	0.70 GLYCID	0.35 GLYCID	0.175 GLYCID	0.0875 GLYCID	CONTROL WATER
Hemorrhage					1 [2.0]
Infiltration Cellular, Lymphocyte	2 [2.0]	4 [1.5]	3 [1.3]	3 [1.3]	4 [1.0]
Inflammation, Chronic Active	1 [1.0]	5 [1.0]			1 [4.0]
Necrosis	5 [2.2]				
Tension Lipidosis	1 [2.0]				
Vacuolization Cytoplasmic Centrilobular, Degeneration	3 [2.0] 1 [3.0]	3 [1.7]	1 [2.0]	1 [2.0]	1 [2.0]
Pancreas	(44)	(46)	(47)	(48)	(45)
Infiltration Cellular, Lymphocyte	3 [1.0]	9 [1.1]	10 [1.2]	10 [1.1]	9 [1.2]
Necrosis	2 [4.0]				
Acinus, Degeneration	2 [1.5]		3 [2.3]	6 [1.7]	2 [3.0]
Duct, Dilatation				2 [4.0]	
Salivary Glands	(44)	(47)	(47)	(47)	(45)
Infiltration Cellular, Lymphocyte	8 [1.4]	28 [1.3]	28 [1.3]	30 [1.2]	29 [1.4]
Stomach, Forestomach	(44)	(45)	(47)	(45)	(45)
Cyst Epithelial Inclusion				1	
Ulcer	1 [2.0]	1 [2.0]	1 [2.0]		1 [2.0]
Epithelium, Hyperplasia	5 [2.4]	11 [2.5]	10 [2.4]	4 [2.8]	4 [3.0]
Stomach, Glandular	(43)	(45)	(47)	(45)	(45)
Epithelium, Hyperplasia		1 [2.0]			

CARDIOVASCULAR SYSTEM

Blood Vessel	(45)	(47)	(47)	(48)	(46)
Heart	(45)	(47)	(47)	(48)	(46)
Cardiomyopathy	1 [1.0]			1 [1.0]	
Inflammation, Chronic				1 [1.0]	
Pericardium, Inflammation, Chronic Active	1 [2.0]				

ENDOCRINE SYSTEM

Adrenal Cortex	(44)	(47)	(47)	(48)	(45)
Accessory Adrenal Cortical Nodule		2			
Angiectasis		1 [2.0]			
Cyst	1 [4.0]				

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)

Test Type: CHRONIC

Glycidamide

Time Report Requested: 07:40:57

Route: DOSED WATER

CAS Number: 5694-00-8

First Dose M/F: 06/02/05 / 06/02/05

Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	0.70 GLYCID	0.35 GLYCID	0.175 GLYCID	0.0875 GLYCID	CONTROL WATER
Hypertrophy			1 [3.0]	1 [2.0]	
Subcapsular, Hyperplasia	43 [2.2]	46 [2.1]	47 [2.2]	48 [2.1]	45 [2.1]
Adrenal Medulla	(43)	(47)	(47)	(45)	(45)
Islets, Pancreatic	(43)	(46)	(47)	(48)	(45)
Hyperplasia		2 [2.0]	3 [1.7]	2 [2.0]	
Parathyroid Gland	(39)	(40)	(46)	(45)	(41)
Cyst	2 [1.5]	2 [2.0]	2 [2.0]		4 [2.3]
Hyperplasia	1 [2.0]				
Inflammation, Chronic Active			1 [1.0]		
Pituitary Gland	(43)	(47)	(43)	(45)	(45)
Pars Distalis, Cyst			1 [4.0]	1 [4.0]	
Pars Distalis, Hyperplasia	3 [1.7]	1 [2.0]	2 [2.0]		3 [2.3]
Thyroid Gland	(44)	(46)	(46)	(47)	(45)
Cyst				1 [2.0]	1 [3.0]
Ectopic Thymus	1 [2.0]	1 [1.0]	3 [1.3]	2 [2.0]	1 [1.0]
Infiltration Cellular, Lymphocyte				3 [1.0]	1 [2.0]
Inflammation, Chronic Active		1 [1.0]		1 [1.0]	
Follicle, Degeneration	3 [1.7]	6 [1.2]	7 [1.0]	5 [1.4]	3 [1.3]
GENERAL BODY SYSTEM					
Tissue NOS	(1)	(0)	(0)	(0)	(0)
GENITAL SYSTEM					
Clitoral Gland	(41)	(47)	(47)	(48)	(44)
Degeneration	36 [3.9]	47 [4.0]	47 [3.9]	48 [3.9]	43 [4.0]
Inflammation, Suppurative					1 [2.0]
Inflammation, Chronic Active	1 [2.0]				1 [2.0]
Ovary	(44)	(46)	(47)	(47)	(45)
Angiectasis	1 [4.0]	4 [2.8]			1 [4.0]
Atrophy	31 [3.4]	39 [3.8]	46 [3.9]	42 [3.9]	44 [4.0]
Cyst	15 [2.9]	21 [3.0]	23 [2.8]	16 [2.6]	14 [2.6]
Hematocyst	1 [4.0]				
Hemorrhage	3 [3.7]	2 [2.5]	3 [2.7]	1 [2.0]	1 [4.0]

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)

Test Type: CHRONIC

Glycidamide

Time Report Requested: 07:40:57

Route: DOSED WATER

CAS Number: 5694-00-8

First Dose M/F: 06/02/05 / 06/02/05

Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	0.70 GLYCID	0.35 GLYCID	0.175 GLYCID	0.0875 GLYCID	CONTROL WATER
Hyperplasia, Tubulostromal Inflammation, Chronic	1 [3.0]				1 [4.0]
Mineralization	1 [3.0]				1 [4.0]
Thrombosis	1 [4.0]	1 [4.0]	1 [3.0]		1 [4.0]
Bilateral, Cyst	3 [3.0]	1 [2.0]	2 [4.0]	1 [4.0]	
Uterus	(45)	(47)	(47)	(48)	(45)
Angiectasis	2 [2.5]	2 [3.5]		2 [4.0]	1 [3.0]
Fibrosis				1 [4.0]	
Hemorrhage	1 [4.0]	1 [2.0]			
Hydrometra				1 [4.0]	1 [4.0]
Inflammation, Suppurative			1 [2.0]		
Necrosis	1 [4.0]				
Thrombosis	2 [2.5]			1 [4.0]	
Endometrium, Hyperplasia, Cystic	36 [2.3]	45 [2.3]	47 [2.6]	45 [2.8]	44 [2.9]
Endometrium, Hyperplasia, Glandular, Focal			1 [3.0]		
Vagina	(1)	(0)	(0)	(0)	(0)

HEMATOPOIETIC SYSTEM

Bone Marrow	(43)	(45)	(47)	(47)	(46)
Hyperplasia	20 [2.7]	6 [2.8]	5 [2.2]	2 [2.5]	
Lymph Node	(12)	(8)	(5)	(2)	(8)
Lumbar, Hyperplasia, Lymphoid	2 [2.5]	1 [2.0]			1 [2.0]
Lumbar, Infiltration Cellular, Histiocyte	1 [2.0]				
Lumbar, Infiltration Cellular, Plasma Cell	1 [2.0]				
Lumbar, Infiltration Cellular, Polymorphonuclear	1 [3.0]	1 [2.0]			
Mediastinal, Angiectasis	1 [3.0]				
Mediastinal, Hyperplasia, Lymphoid			2 [3.0]		1 [3.0]
Pancreatic, Hyperplasia, Lymphoid		1 [2.0]			
Renal, Hyperplasia, Lymphoid	1 [3.0]				
Renal, Infiltration Cellular, Plasma Cell	1 [3.0]				
Renal, Infiltration Cellular, Polymorphonuclear	1 [3.0]			1 [2.0]	
Lymph Node, Mandibular	(43)	(47)	(47)	(48)	(46)
Erythrophagocytosis	1 [4.0]				

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)

Test Type: CHRONIC

Glycidamide

Time Report Requested: 07:40:57

Route: DOSED WATER

CAS Number: 5694-00-8

First Dose M/F: 06/02/05 / 06/02/05

Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	0.70 GLYCID	0.35 GLYCID	0.175 GLYCID	0.0875 GLYCID	CONTROL WATER
Hemorrhage					1 [2.0]
Hyperplasia, Lymphoid		8 [2.1]	8 [1.6]	10 [1.8]	13 [1.6]
Infiltration Cellular, Plasma Cell	1 [3.0]		4 [2.0]	1 [3.0]	3 [2.0]
Infiltration Cellular, Polymorphonuclear	1 [3.0]			2 [2.5]	1 [2.0]
Sinus, Dilatation	1 [3.0]				
Lymph Node, Mesenteric	(43)	(47)	(46)	(46)	(43)
Angiectasis		2 [3.5]		2 [1.5]	
Hemorrhage	1 [2.0]				
Hyperplasia, Lymphoid	5 [2.2]	14 [2.2]	9 [2.0]	7 [1.4]	14 [1.6]
Infiltration Cellular, Histiocyte		2 [2.5]	1 [3.0]		1 [3.0]
Infiltration Cellular, Mast Cell			1 [3.0]		
Infiltration Cellular, Plasma Cell				1 [2.0]	2 [3.0]
Infiltration Cellular, Polymorphonuclear				1 [2.0]	
Thrombosis	1 [2.0]				
Sinus, Dilatation					1 [2.0]
Spleen	(45)	(47)	(47)	(47)	(46)
Accessory Spleen			1		
Depletion Lymphoid	1 [3.0]				
Hematopoietic Cell Proliferation	29 [3.4]	14 [3.6]	11 [3.5]	10 [3.3]	6 [3.0]
Hemorrhage			1 [4.0]		
Hyperplasia, Lymphoid	12 [2.7]	29 [2.9]	35 [2.8]	33 [3.0]	35 [3.1]
Necrosis					1 [4.0]
Pigmentation		1 [2.0]	1 [2.0]	3 [2.3]	1 [3.0]
Thymus	(37)	(43)	(45)	(44)	(43)
Angiectasis					1 [2.0]
Atrophy	18 [3.7]	13 [2.8]	15 [2.7]	11 [2.5]	16 [2.9]
Hyperplasia, Lymphoid	1 [2.0]	5 [2.0]	9 [2.0]	5 [1.8]	7 [2.1]
Mineralization			1 [4.0]	1 [3.0]	

INTEGUMENTARY SYSTEM

Mammary Gland	(45)	(47)	(47)	(48)	(45)
Alveolus, Hyperplasia		2 [2.5]			1 [2.0]
Skin	(45)	(47)	(47)	(48)	(45)
Fibrosis		2 [3.5]			

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)

Test Type: CHRONIC

Glycidamide

Time Report Requested: 07:40:57

Route: DOSED WATER

CAS Number: 5694-00-8

First Dose M/F: 06/02/05 / 06/02/05

Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	0.70 GLYCID	0.35 GLYCID	0.175 GLYCID	0.0875 GLYCID	CONTROL WATER
Inflammation, Chronic Active		1 [4.0]			
MUSCULOSKELETAL SYSTEM					
Bone	(1)	(2)	(1)	(0)	(0)
Joint, Ligament, Degeneration			1 [2.0]		
Bone, Femur	(48)	(48)	(48)	(48)	(46)
Callus	1 [3.0]				
Fibro-Osseous Lesion		1 [3.0]			1 [3.0]
Skeletal Muscle	(45)	(47)	(47)	(48)	(46)
Atrophy	1 [2.0]				
NERVOUS SYSTEM					
Brain, Brain Stem	(44)	(45)	(47)	(47)	(45)
Brain, Cerebellum	(44)	(45)	(47)	(47)	(45)
Hemorrhage	1 [2.0]				
Infiltration Cellular, Lymphocyte	1 [1.0]			1 [1.0]	
Brain, Cerebrum	(44)	(45)	(47)	(47)	(45)
Compression		1 [1.0]			
Hemorrhage	1 [2.0]				
Infarct, Focal, Chronic	1 [1.0]				
Infiltration Cellular, Lymphocyte				1 [1.0]	3 [1.0]
Mineralization	22 [1.0]	25 [1.0]	28 [1.0]	36 [1.1]	31 [1.0]
Hippocampus, Neuron, Depletion			1 [2.0]		
Peripheral Nerve, Sciatic	(44)	(45)	(47)	(47)	(45)
Inflammation, Acute			1 [2.0]		
Axon, Degeneration	28 [1.1]	34 [1.1]	38 [1.1]	38 [1.2]	39 [1.2]
Spinal Cord, Cervical	(43)	(45)	(47)	(44)	(45)
Infiltration Cellular, Lymphocyte		1 [1.0]	1 [1.0]		3 [1.0]
Axon, Degeneration	10 [1.0]	9 [1.0]	10 [1.0]	9 [1.0]	4 [1.0]
Nerve, Degeneration	1 [1.0]				
Spinal Cord, Lumbar	(43)	(45)	(47)	(45)	(45)
Cyst			1 [3.0]		
Infiltration Cellular, Lymphocyte	1 [1.0]	1 [1.0]	1 [1.0]	1 [1.0]	6 [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)

Test Type: CHRONIC

Glycidamide

Time Report Requested: 07:40:57

Route: DOSED WATER

CAS Number: 5694-00-8

First Dose M/F: 06/02/05 / 06/02/05

Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	0.70 GLYCID	0.35 GLYCID	0.175 GLYCID	0.0875 GLYCID	CONTROL WATER
Axon, Degeneration	4 [1.0]	15 [1.0]	13 [1.0]	13 [1.0]	12 [1.0]
Nerve, Degeneration	24 [1.3]	40 [1.6]	40 [1.4]	43 [1.2]	43 [1.2]
Spinal Cord, Thoracic	(43)	(45)	(47)	(44)	(45)
Infiltration Cellular, Lymphocyte		1 [1.0]	1 [1.0]		3 [1.0]
Axon, Degeneration	23 [1.0]	34 [1.0]	34 [1.0]	32 [1.0]	35 [1.0]
Nerve, Degeneration		1 [1.0]		1 [1.0]	

RESPIRATORY SYSTEM

Lung	(44)	(47)	(47)	(48)	(46)
Congestion				1 [3.0]	
Hemorrhage	1 [2.0]				2 [2.5]
Infiltration Cellular, Histiocyte	3 [3.0]	2 [1.5]	1 [1.0]		
Infiltration Cellular, Lymphocyte	1 [2.0]	1 [2.0]	2 [1.0]	3 [1.7]	1 [1.0]
Inflammation, Chronic Active			1 [1.0]	2 [1.5]	3 [3.0]
Alveolar Epithelium, Hyperplasia	3 [2.3]	4 [2.0]	2 [2.5]	1 [2.0]	
Nose	(45)	(46)	(47)	(46)	(46)
Amyloid Deposition			1 [1.0]		
Crystals	1 [2.0]		2 [2.5]		
Hyaline Droplet		4 [1.5]	15 [2.0]	3 [1.3]	9 [1.4]
Inflammation, Suppurative	1 [2.0]			1 [2.0]	
Trachea	(43)	(46)	(46)	(47)	(45)
Atrophy		1 [4.0]			

SPECIAL SENSES SYSTEM

Eye	(43)	(44)	(47)	(44)	(45)
Cataract	9 [1.6]	8 [2.5]	8 [3.1]	2 [3.0]	1 [1.0]
Inflammation, Chronic Active				1 [1.0]	
Phthisis Bulbi	2	1		1	
Cornea, Fibrosis	1 [2.0]				
Cornea, Inflammation, Chronic Active	5 [2.2]	3 [1.3]	1 [1.0]	2 [2.0]	
Cornea, Ulcer	1 [3.0]				
Harderian Gland	(46)	(46)	(47)	(47)	(45)
Degeneration, Cystic		1 [4.0]			

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)

Test Type: CHRONIC

Glycidamide

Time Report Requested: 07:40:57

Route: DOSED WATER

CAS Number: 5694-00-8

First Dose M/F: 06/02/05 / 06/02/05

Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	0.70 GLYCID	0.35 GLYCID	0.175 GLYCID	0.0875 GLYCID	CONTROL WATER
Fibrosis		1 [4.0]	1 [4.0]		
Infiltration Cellular, Lymphocyte Epithelium, Hyperplasia		2 [1.5] 1 [2.0]	1 [1.0]	5 [1.2] 1 [3.0]	3 [1.3]

URINARY SYSTEM

Kidney	(43)	(46)	(47)	(47)	(46)
Cyst	1 [4.0]				
Hyaline Droplet	3 [2.7]		1 [2.0]	1 [4.0]	
Hydronephrosis	1 [4.0]		1 [4.0]		
Infarct			1 [3.0]		
Infiltration Cellular, Lymphocyte Inflammation, Chronic	13 [1.5]	19 [1.2]	28 [1.2] 1 [4.0]	26 [1.3]	23 [1.5]
Metaplasia, Osseous				1 [1.0]	2 [1.5]
Nephropathy	5 [1.6]	5 [1.0]	3 [1.3]	2 [1.5]	2 [1.5]
Glomerulus, Amyloid Deposition		1 [3.0]			1 [3.0]
Urinary Bladder	(42)	(46)	(47)	(46)	(45)
Infiltration Cellular, Lymphocyte	18 [1.1]	22 [1.1]	34 [1.1]	28 [1.1]	31 [1.3]
Lumen, Dilatation	1 [3.0]	2 [3.5]			

*** 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)