

TDMs No. 20310 - 02

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

Date Report Requested: 06/29/2009

Test Type: 26-39 WEEKS

3'-Azido-3'-deoxythymidine (AIDS)

Time Report Requested: 16:30:34

Route: GAVAGE

CAS Number: 30516-87-1

First Dose M/F: 11/18/04 / NA

Species/Strain: MICE/C3B6F1-+/Trp53(tm1Brd)

Lab: NCTR

C Number: C20310C
Lock Date: 12/01/2008
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Male
TDMSE Version: 2.1.0

Test Type: 26-39 WEEKS

Time Report Requested: 16:30:34

Route: GAVAGE

First Dose M/F: 11/18/04 / NA

Species/Strain: MICE/C3B6F1-+/Trp53(tm1Brd)

Lab: NCTR

C3B6F1-+/Trp53(tm1Brd) NCTR MICE MALE	Vehicle 6 mo M	AZT 120 6 mo M	Vehicle 9 mo M	AZT 40 9 mo M	AZT 80 9 mo M	AZT 120 9 mo M
Disposition Summary						
Animals Initially in Study	27	26	27	27	27	27
Early Deaths						
Moribund Sacrifice		3	1	1		1
Natural Death			1	2		1
Survivors						
Moribund Sacrifice		1	1	3		1
Natural Death		1				2
Terminal Sacrifice	27	21	24	21	27	22
Animals Examined Microscopically	27	26	27	27	27	27

ALIMENTARY SYSTEM

Esophagus	(23)	(23)	(27)	(26)	(27)	(27)
Foreign Body				1		
Adventitia, Inflammation, Suppurative				1 [2.0]		
Adventitia, Necrosis				1 [3.0]		
Gallbladder	(26)	(26)	(26)	(25)	(27)	(25)
Mineralization						1 [2.0]
Intestine Large, Cecum	(27)	(26)	(26)	(26)	(27)	(25)
Hyperplasia, Lymphoid	3 [1.3]	1 [2.0]		2 [2.5]	2 [2.0]	3 [2.0]
Intestine Large, Colon	(27)	(26)	(26)	(26)	(27)	(25)
Epithelium, Hyperplasia						1 [2.0]
Intestine Large, Rectum	(27)	(26)	(26)	(26)	(27)	(26)
Degeneration, Cystic						
Hyperplasia, Lymphoid						1 [2.0]
Intestine Small, Duodenum	(27)	(26)	(26)	(25)	(27)	(25)
Inflammation, Chronic Active					1 [2.0]	
Intestine Small, Jejunum	(27)	(26)	(26)	(25)	(27)	(25)
Liver	(27)	(26)	(26)	(27)	(27)	(27)
Basophilic Focus			1	1		1
Cytomegaly			14 [1.6]	14 [1.6]	13 [1.5]	9 [1.7]
Eosinophilic Focus						
Fatty Change		1				
Hematopoietic Cell Proliferation			1 [1.0]			
Inflammation, Chronic Active						
Mixed Cell Focus						1

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: 26-39 WEEKS

Time Report Requested: 16:30:34

Route: GAVAGE

First Dose M/F: 11/18/04 / NA

Species/Strain: MICE/C3B6F1-+/Trp53(tm1Brd)

Lab: NCTR

C3B6F1-+/Trp53(tm1Brd) NCTR MICE MALE	Vehicle 6 mo M	AZT 120 6 mo M	Vehicle 9 mo M	AZT 40 9 mo M	AZT 80 9 mo M	AZT 120 9 mo M
Necrosis						
Tension Lipidosis			3 [1.0]			1 [1.0]
Vacuolization Cytoplasmic	8 [1.1]	4 [1.0]	20 [1.6]	17 [1.8]	23 [1.5]	13 [1.5]
Mesentery	(0)	(0)	(0)	(2)	(1)	(0)
Fat, Fibrosis					1 [2.0]	
Pancreas	(27)	(26)	(27)	(27)	(27)	(27)
Cytoplasmic Alteration					1 [1.0]	
Inflammation, Chronic Active					1 [1.0]	1 [2.0]
Pigmentation					1 [1.0]	
Acinar Cell, Degeneration			1 [2.0]			
Salivary Glands	(27)	(26)	(27)	(26)	(27)	(27)
Infiltration Cellular, Lymphocyte	5 [1.0]		7 [1.0]	4 [1.0]	2 [1.0]	5 [1.0]
Stomach, Forestomach	(27)	(26)	(26)	(26)	(27)	(27)
Epithelium, Hyperplasia			1 [3.0]			
Epithelium, Hyperplasia, Squamous				1 [1.0]		
Stomach, Glandular	(27)	(26)	(26)	(26)	(27)	(25)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(26)	(25)	(27)	(27)	(27)	(27)
Heart	(27)	(26)	(27)	(27)	(27)	(27)
Cardiomyopathy	2 [1.0]					
Inflammation, Suppurative				1 [1.0]		
Polyarteritis					1 [1.0]	
Pericardium, Inflammation, Chronic Active			1 [3.0]			
ENDOCRINE SYSTEM						
Adrenal Cortex	(27)	(26)	(27)	(27)	(27)	(27)
Accessory Adrenal Cortical Nodule			1			
Cyst			1 [1.0]			
Hypertrophy			1 [2.0]		1 [2.0]	
Subcapsular, Hyperplasia	2 [1.0]	2 [1.0]	6 [1.0]	6 [1.2]	7 [1.0]	6 [1.0]
Adrenal Medulla	(26)	(24)	(25)	(26)	(24)	(26)
Islets, Pancreatic	(27)	(26)	(27)	(27)	(27)	(27)
Hyperplasia					1 [1.0]	
Parathyroid Gland	(22)	(23)	(16)	(20)	(21)	(22)
Cyst						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: 26-39 WEEKS

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Route: GAVAGE

First Dose M/F: 11/18/04 / NA

Species/Strain: MICE/C3B6F1-+/Trp53(tm1Brd)

Lab: NCTR

C3B6F1-+/Trp53(tm1Brd) NCTR MICE MALE	Vehicle 6 mo M	AZT 120 6 mo M	Vehicle 9 mo M	AZT 40 9 mo M	AZT 80 9 mo M	AZT 120 9 mo M
Pituitary Gland	(27)	(25)	(25)	(27)	(27)	(27)
Thyroid Gland	(26)	(26)	(26)	(27)	(27)	(26)
Cyst		1 [2.0]	1 [1.0]	1 [1.0]		
Degeneration				1 [1.0]		
Ectopic Thymus				1		
Infiltration Cellular, Lymphocyte Follicular Cell, Hyperplasia		1 [1.0]			1 [2.0]	
GENERAL BODY SYSTEM						
Tissue NOS	(0)	(0)	(2)	(1)	(0)	(1)
Mediastinum, Abscess			1 [4.0]			
Thoracic, Thrombosis						1 [4.0]
GENITAL SYSTEM						
Coagulating Gland	(0)	(0)	(0)	(1)	(0)	(0)
Epididymis	(27)	(26)	(27)	(27)	(27)	(26)
Hypospermia				1 [4.0]		1 [3.0]
Serosa, Inflammation, Chronic Active						
Serosa, Necrosis						
Preputial Gland	(27)	(26)	(27)	(26)	(27)	(26)
Abscess						
Atrophy		1 [3.0]				
Degeneration						3 [3.0]
Infiltration Cellular, Lymphocyte			1 [1.0]			
Inflammation, Suppurative				1 [1.0]		
Inflammation, Chronic Active						1 [1.0]
Duct, Dilatation				1 [3.0]		
Prostate	(27)	(26)	(27)	(27)	(27)	(25)
Infiltration Cellular, Lymphocyte						
Inflammation, Suppurative		1 [3.0]				
Epithelium, Hyperplasia						
Seminal Vesicle	(27)	(26)	(26)	(27)	(27)	(26)
Inflammation, Chronic						1 [2.0]
Lumen, Dilatation		1 [1.0]				
Serosa, Inflammation, Chronic Active						
Testes	(27)	(26)	(27)	(26)	(27)	(26)
Spermatocele						

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Lab: NCTR

C3B6F1-+/Trp53(tm1Brd) NCTR MICE MALE	Vehicle 6 mo M	AZT 120 6 mo M	Vehicle 9 mo M	AZT 40 9 mo M	AZT 80 9 mo M	AZT 120 9 mo M
Interstitial Cell, Hyperplasia Seminiferous Tubule, Degeneration		1 [1.0]		1 [1.0] 1 [1.0]	1 [1.0]	1 [4.0]
HEMATOPOIETIC SYSTEM						
Bone Marrow	(27)	(26)	(27)	(26)	(27)	(26)
Myeloid Cell, Hyperplasia		1 [3.0]	2 [3.0]	2 [3.0]	1 [2.0]	
Lymph Node	(0)	(1)	(0)	(1)	(0)	(1)
Lymph Node, Mandibular	(26)	(26)	(27)	(25)	(27)	(26)
Hyperplasia, Lymphoid	1 [1.0]	1 [1.0]	1 [1.0]	1 [2.0]	1 [2.0]	2 [1.5]
Hyperplasia, Plasma Cell					1 [1.0]	
Lymph Node, Mesenteric	(27)	(25)	(26)	(23)	(26)	(25)
Hematopoietic Cell Proliferation						1 [2.0]
Hyperplasia, Lymphoid	19 [1.9]	16 [1.4]	13 [1.7]	12 [1.8]	17 [2.1]	14 [1.8]
Hyperplasia, Plasma Cell	1 [3.0]				1 [3.0]	
Infiltration Cellular, Histiocyte					1 [3.0]	
Infiltration Cellular, Polymorphonuclear						1 [2.0]
Spleen	(27)	(26)	(26)	(25)	(27)	(25)
Depletion Lymphoid						
Hematopoietic Cell Proliferation	1 [2.0]	2 [2.5]	4 [2.3]	2 [3.5]	5 [2.0]	1 [3.0]
Hemorrhage						1 [2.0]
Hyperplasia, Lymphoid	2 [2.0]		2 [2.0]	5 [2.0]	6 [2.2]	2 [1.5]
Thymus	(26)	(26)	(27)	(24)	(27)	(24)
Atrophy		1 [4.0]	1 [4.0]		1 [2.0]	
Degeneration						
Hyperplasia, Lymphoid		2 [2.0]	1 [2.0]	1 [4.0]		
Necrosis						
INTEGUMENTARY SYSTEM						
Skin	(27)	(26)	(27)	(27)	(27)	(27)
Abscess						1 [4.0]
Cyst Epithelial Inclusion					1	
Hemorrhage						1 [4.0]
MUSCULOSKELETAL SYSTEM						
Bone	(0)	(0)	(1)	(0)	(0)	(0)

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

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Lab: NCTR

C3B6F1-+/Trp53(tm1Brd) NCTR MICE MALE	Vehicle 6 mo M	AZT 120 6 mo M	Vehicle 9 mo M	AZT 40 9 mo M	AZT 80 9 mo M	AZT 120 9 mo M
Bone, Femur	(27)	(26)	(27)	(27)	(27)	(27)
Skeletal Muscle	(27)	(26)	(27)	(27)	(27)	(27)
Diaphragm, Foreign Body				1		
Diaphragm, Inflammation, Granulomatous				1 [4.0]		
NERVOUS SYSTEM						
Brain, Brain Stem	(27)	(26)	(27)	(27)	(27)	(27)
Brain, Cerebellum	(27)	(26)	(27)	(27)	(27)	(27)
Hemorrhage						1 [1.0]
Brain, Cerebrum	(27)	(26)	(27)	(27)	(27)	(27)
Mineralization			4 [1.0]	1 [1.0]	2 [1.0]	
RESPIRATORY SYSTEM						
Lung	(27)	(26)	(27)	(27)	(27)	(27)
Abscess		1 [4.0]				
Congestion			1 [3.0]			1 [4.0]
Foreign Body						
Infiltration Cellular, Lymphocyte				1 [1.0]		
Infiltration Cellular, Polymorphonuclear						1 [2.0]
Inflammation, Chronic Active			1 [2.0]			
Bronchiole, Epithelium, Hyperplasia						
Mediastinum, Inflammation, Suppurative				1 [3.0]		
Mediastinum, Necrosis				1 [3.0]		
Nose	(27)	(26)	(27)	(27)	(27)	(25)
Exudate			1 [4.0]			
Foreign Body						
Inflammation, Suppurative	1 [1.0]	1 [2.0]	1 [3.0]			
SPECIAL SENSES SYSTEM						
Eye	(27)	(26)	(26)	(26)	(27)	(25)
Harderian Gland	(27)	(26)	(27)	(27)	(27)	(27)
Epithelium, Hyperplasia		1 [2.0]				

URINARY SYSTEM

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Lab: NCTR

C3B6F1-+/Trp53(tm1Brd) NCTR MICE MALE	Vehicle 6 mo M	AZT 120 6 mo M	Vehicle 9 mo M	AZT 40 9 mo M	AZT 80 9 mo M	AZT 120 9 mo M
Kidney	(27)	(26)	(26)	(27)	(27)	(26)
Bacterium		1 [2.0]				
Casts Protein				1 [1.0]		1 [1.0]
Cyst			1 [1.0]	1 [2.0]		
Infiltration Cellular, Lymphocyte	7 [1.0]	2 [1.0]	6 [1.0]	11 [1.0]	6 [1.0]	4 [1.3]
Inflammation, Chronic Active		1 [2.0]				
Mineralization						
Nephropathy		1 [4.0]				
Capsule, Inflammation, Chronic Active						
Pelvis, Dilatation		2 [2.0]				1 [1.0]
Pelvis, Inflammation, Chronic						1 [2.0]
Renal Tubule, Regeneration						
Transitional Epithelium, Hyperplasia	1 [1.0]	1 [2.0]				
Urinary Bladder	(27)	(26)	(27)	(27)	(27)	(26)
Infiltration Cellular, Lymphocyte						
Lumen, Dilatation	1 [3.0]	2 [2.5]		1 [4.0]	2 [4.0]	2 [3.5]

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Lab: NCTR

C3B6F1-+/Trp53(tm1Brd) NCTR MICE MALE	Vehicle PND 1-8 M	AZT 40 PND 1-8 M
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Disposition Summary

Animals Initially in Study	24	25
Early Deaths		
Moribund Sacrifice		
Natural Death		1
Survivors		
Moribund Sacrifice	1	2
Natural Death		
Terminal Sacrifice	23	22
Animals Examined Microscopically	24	25

ALIMENTARY SYSTEM

Esophagus	(24)	(25)
Foreign Body		
Adventitia, Inflammation, Suppurative		
Adventitia, Necrosis		
Gallbladder	(24)	(24)
Mineralization		
Intestine Large, Cecum	(24)	(24)
Hyperplasia, Lymphoid	3 [1.0]	1 [2.0]
Intestine Large, Colon	(24)	(24)
Epithelium, Hyperplasia		
Intestine Large, Rectum	(24)	(24)
Degeneration, Cystic	1 [2.0]	
Hyperplasia, Lymphoid		
Intestine Small, Duodenum	(24)	(24)
Inflammation, Chronic Active		
Intestine Small, Jejunum	(24)	(24)
Liver	(24)	(25)
Basophilic Focus		
Cytomegaly	18 [1.4]	14 [1.6]
Eosinophilic Focus		1
Fatty Change		
Hematopoietic Cell Proliferation		
Inflammation, Chronic Active	1 [2.0]	1 [1.0]
Mixed Cell Focus		

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Species/Strain: MICE/C3B6F1-+/Trp53(tm1Brd)

Lab: NCTR

C3B6F1-+/Trp53(tm1Brd) NCTR MICE MALE	Vehicl PND 1-8 M	AZT 40 PND 1-8 M
Necrosis	2 [2.0]	1 [1.0]
Tension Lipidosis	3 [1.3]	2 [1.5]
Vacuolization Cytoplasmic	23 [1.7]	18 [1.6]
Mesentery	(0)	(0)
Fat, Fibrosis		
Pancreas	(23)	(25)
Cytoplasmic Alteration	1 [2.0]	
Inflammation, Chronic Active		
Pigmentation		
Acinar Cell, Degeneration		
Salivary Glands	(24)	(25)
Infiltration Cellular, Lymphocyte	8 [1.0]	8 [1.0]
Stomach, Forestomach	(24)	(25)
Epithelium, Hyperplasia		
Epithelium, Hyperplasia, Squamous		
Stomach, Glandular	(24)	(24)
CARDIOVASCULAR SYSTEM		
Blood Vessel	(24)	(24)
Heart	(24)	(25)
Cardiomyopathy		
Inflammation, Suppurative		
Polyarteritis		
Pericardium, Inflammation, Chronic		
Active		
ENDOCRINE SYSTEM		
Adrenal Cortex	(24)	(25)
Accessory Adrenal Cortical Nodule		
Cyst		
Hypertrophy		1 [2.0]
Subcapsular, Hyperplasia	7 [1.0]	7 [1.0]
Adrenal Medulla	(24)	(25)
Islets, Pancreatic	(23)	(25)
Hyperplasia	1 [2.0]	2 [2.0]
Parathyroid Gland	(24)	(24)
Cyst		

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C3B6F1-+/Trp53(tm1Brd) NCTR MICE MALE	Vehicle PND 1-8 M	AZT 40 PND 1-8 M
Pituitary Gland	(24)	(25)
Thyroid Gland	(24)	(24)
Cyst		1 [1.0]
Degeneration		
Ectopic Thymus	1	
Infiltration Cellular, Lymphocyte Follicular Cell, Hyperplasia		
GENERAL BODY SYSTEM		
Tissue NOS	(0)	(1)
Mediastinum, Abscess Thoracic, Thrombosis		
GENITAL SYSTEM		
Coagulating Gland	(0)	(0)
Epididymis	(24)	(24)
Hypospermia		1 [4.0]
Serosa, Inflammation, Chronic Active	1 [4.0]	
Serosa, Necrosis	1 [4.0]	
Preputial Gland	(24)	(24)
Abscess		1 [3.0]
Atrophy		
Degeneration	1 [3.0]	
Infiltration Cellular, Lymphocyte Inflammation, Suppurative Inflammation, Chronic Active		
Duct, Dilatation		1 [3.0]
Prostate	(24)	(25)
Infiltration Cellular, Lymphocyte Inflammation, Suppurative	1 [2.0]	1 [1.0]
Epithelium, Hyperplasia	1 [2.0]	
Seminal Vesicle	(24)	(25)
Inflammation, Chronic Lumen, Dilatation		
Serosa, Inflammation, Chronic Active	1 [2.0]	
Testes	(24)	(24)
Spermatocele		1 [4.0]

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Lab: NCTR

C3B6F1-+/Trp53(tm1Brd) NCTR MICE MALE	Vehicle PND 1-8 M	AZT 40 PND 1-8 M
Interstitial Cell, Hyperplasia	2 [1.0]	4 [1.0]
Seminiferous Tubule, Degeneration	2 [2.0]	2 [2.5]
HEMATOPOIETIC SYSTEM		
Bone Marrow	(24)	(25)
Myeloid Cell, Hyperplasia		2 [2.5]
Lymph Node	(0)	(0)
Lymph Node, Mandibular	(24)	(25)
Hyperplasia, Lymphoid		
Hyperplasia, Plasma Cell		
Lymph Node, Mesenteric	(24)	(24)
Hematopoietic Cell Proliferation		
Hyperplasia, Lymphoid	15 [1.6]	12 [1.4]
Hyperplasia, Plasma Cell		
Infiltration Cellular, Histiocyte		
Infiltration Cellular, Polymorphonuclear		
Spleen	(24)	(24)
Depletion Lymphoid	1 [3.0]	
Hematopoietic Cell Proliferation	2 [2.0]	3 [3.0]
Hemorrhage		
Hyperplasia, Lymphoid	5 [2.0]	7 [2.0]
Thymus	(23)	(22)
Atrophy		
Degeneration	1 [1.0]	
Hyperplasia, Lymphoid		1 [2.0]
Necrosis		1 [2.0]
INTEGUMENTARY SYSTEM		
Skin	(24)	(25)
Abscess		
Cyst Epithelial Inclusion		
Hemorrhage		
MUSCULOSKELETAL SYSTEM		
Bone	(0)	(0)

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Lab: NCTR

C3B6F1-+/Trp53(tm1Brd) NCTR MICE MALE	Vehicle PND 1-8 M	AZT 40 PND 1-8 M
Bone, Femur	(24)	(25)
Skeletal Muscle	(24)	(25)
Diaphragm, Foreign Body		
Diaphragm, Inflammation, Granulomatous		
NERVOUS SYSTEM		
Brain, Brain Stem	(24)	(25)
Brain, Cerebellum	(24)	(25)
Hemorrhage		
Brain, Cerebrum	(24)	(25)
Mineralization	6 [1.0]	3 [1.0]
RESPIRATORY SYSTEM		
Lung	(24)	(25)
Abscess		
Congestion		
Foreign Body		1
Infiltration Cellular, Lymphocyte		
Infiltration Cellular, Polymorphonuclear		1 [2.0]
Inflammation, Chronic Active		
Bronchiole, Epithelium, Hyperplasia		1 [2.0]
Mediastinum, Inflammation, Suppurative		
Mediastinum, Necrosis		
Nose	(24)	(25)
Exudate		
Foreign Body		1
Inflammation, Suppurative		1 [4.0]
SPECIAL SENSES SYSTEM		
Eye	(24)	(24)
Harderian Gland	(24)	(25)
Epithelium, Hyperplasia		
URINARY SYSTEM		

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Lab: NCTR

C3B6F1-+/Trp53(tm1Brd) NCTR MICE MALE	Vehicl PND 1-8 M	AZT 40 PND 1-8 M
Kidney	(24)	(25)
Bacterium		
Casts Protein		
Cyst		
Infiltration Cellular, Lymphocyte	6 [1.0]	6 [1.0]
Inflammation, Chronic Active		
Mineralization		1 [1.0]
Nephropathy		
Capsule, Inflammation, Chronic Active	1 [2.0]	
Pelvis, Dilatation		1 [2.0]
Pelvis, Inflammation, Chronic		
Renal Tubule, Regeneration	2 [1.0]	3 [1.0]
Transitional Epithelium, Hyperplasia		
Urinary Bladder	(24)	(24)
Infiltration Cellular, Lymphocyte		1 [1.0]
Lumen, Dilatation		

*** END OF MALE ***

*** END OF REPORT ***