

**TDMS No.** 20310 - 02

**Test Type:** 26-39 WEEKS

**Route:** GAVAGE

**Species/Strain:**

MICE/C3B6F1-+/Trp53(tm1Brd)

**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

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

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

**CAS Number:** 30516-87-1

**Date Report Requested:** 06/29/2009

**Time Report Requested:** 16:30:34

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

**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
<b>Disposition Summary</b>						
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 (4%)		
Adventitia, Inflammation, Suppurative				1 (4%)		
Adventitia, Necrosis				1 (4%)		
Gallbladder	(26)	(26)	(26)	(25)	(27)	(25)
Mineralization						1 (4%)
Intestine Large, Cecum	(27)	(26)	(26)	(26)	(27)	(25)
Hyperplasia, Lymphoid	3 (11%)	1 (4%)		2 (8%)	2 (7%)	3 (12%)
Intestine Large, Colon	(27)	(26)	(26)	(26)	(27)	(25)
Epithelium, Hyperplasia						1 (4%)
Intestine Large, Rectum	(27)	(26)	(26)	(26)	(27)	(26)
Degeneration, Cystic						
Hyperplasia, Lymphoid						1 (4%)
Intestine Small, Duodenum	(27)	(26)	(26)	(25)	(27)	(25)
Inflammation, Chronic Active					1 (4%)	
Intestine Small, Jejunum	(27)	(26)	(26)	(25)	(27)	(25)
Liver	(27)	(26)	(26)	(27)	(27)	(27)
Basophilic Focus			1 (4%)	1 (4%)		1 (4%)
Cytomegaly			14 (54%)	14 (52%)	13 (48%)	9 (33%)
Eosinophilic Focus						
Fatty Change		1 (4%)				
Hematopoietic Cell Proliferation			1 (4%)			
Inflammation, Chronic Active						
Mixed Cell Focus						1 (4%)
Necrosis						
Tension Lipidosis			3 (12%)			1 (4%)
Vacuolization Cytoplasmic	8 (30%)	4 (15%)	20 (77%)	17 (63%)	23 (85%)	13 (48%)
Mesentery	(0)	(0)	(0)	(2)	(1)	(0)
Fat, Fibrosis					1 (100%)	

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
Pancreas	(27)	(26)	(27)	(27)	(27)	(27)
Cytoplasmic Alteration					1 (4%)	
Inflammation, Chronic Active					1 (4%)	1 (4%)
Pigmentation					1 (4%)	
Acinar Cell, Degeneration			1 (4%)			
Salivary Glands	(27)	(26)	(27)	(26)	(27)	(27)
Infiltration Cellular, Lymphocyte	5 (19%)		7 (26%)	4 (15%)	2 (7%)	5 (19%)
Stomach, Forestomach	(27)	(26)	(26)	(26)	(27)	(27)
Epithelium, Hyperplasia			1 (4%)			
Epithelium, Hyperplasia, Squamous				1 (4%)		
Stomach, Glandular	(27)	(26)	(26)	(26)	(27)	(25)
<b>CARDIOVASCULAR SYSTEM</b>						
Blood Vessel	(26)	(25)	(27)	(27)	(27)	(27)
Heart	(27)	(26)	(27)	(27)	(27)	(27)
Cardiomyopathy	2 (7%)					
Inflammation, Suppurative				1 (4%)		
Polyarteritis					1 (4%)	
Pericardium, Inflammation, Chronic Active			1 (4%)			
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(27)	(26)	(27)	(27)	(27)	(27)
Accessory Adrenal Cortical Nodule			1 (4%)			
Cyst			1 (4%)			
Hypertrophy			1 (4%)		1 (4%)	
Subcapsular, Hyperplasia	2 (7%)	2 (8%)	6 (22%)	6 (22%)	7 (26%)	6 (22%)
Adrenal Medulla	(26)	(24)	(25)	(26)	(24)	(26)
Islets, Pancreatic	(27)	(26)	(27)	(27)	(27)	(27)
Hyperplasia					1 (4%)	
Parathyroid Gland	(22)	(23)	(16)	(20)	(21)	(22)
Cyst						1 (5%)
Pituitary Gland	(27)	(25)	(25)	(27)	(27)	(27)
Thyroid Gland	(26)	(26)	(26)	(27)	(27)	(26)
Cyst		1 (4%)	1 (4%)	1 (4%)		
Degeneration				1 (4%)		
Ectopic Thymus				1 (4%)		
Infiltration Cellular, Lymphocyte		1 (4%)				
Follicular Cell, Hyperplasia					1 (4%)	
<b>GENERAL BODY SYSTEM</b>						

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
Tissue NOS	(0)	(0)	(2)	(1)	(0)	(1)
Mediastinum, Abscess			1 (50%)			
Thoracic, Thrombosis						1 (100%)
<b>GENITAL SYSTEM</b>						
Coagulating Gland	(0)	(0)	(0)	(1)	(0)	(0)
Epididymis	(27)	(26)	(27)	(27)	(27)	(26)
Hypospermia				1 (4%)		1 (4%)
Serosa, Inflammation, Chronic Active						
Serosa, Necrosis						
Preputial Gland	(27)	(26)	(27)	(26)	(27)	(26)
Abscess						
Atrophy		1 (4%)				
Degeneration						3 (12%)
Infiltration Cellular, Lymphocyte			1 (4%)			
Inflammation, Suppurative				1 (4%)		
Inflammation, Chronic Active						1 (4%)
Duct, Dilatation				1 (4%)		
Prostate	(27)	(26)	(27)	(27)	(27)	(25)
Infiltration Cellular, Lymphocyte						
Inflammation, Suppurative		1 (4%)				
Epithelium, Hyperplasia						
Seminal Vesicle	(27)	(26)	(26)	(27)	(27)	(26)
Inflammation, Chronic						1 (4%)
Lumen, Dilatation		1 (4%)				
Serosa, Inflammation, Chronic Active						
Testes	(27)	(26)	(27)	(26)	(27)	(26)
Spermatocele						
Interstitial Cell, Hyperplasia				1 (4%)		
Seminiferous Tubule, Degeneration		1 (4%)		1 (4%)	1 (4%)	1 (4%)
<b>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow	(27)	(26)	(27)	(26)	(27)	(26)
Myeloid Cell, Hyperplasia		1 (4%)	2 (7%)	2 (8%)	1 (4%)	
Lymph Node	(0)	(1)	(0)	(1)	(0)	(1)
Lymph Node, Mandibular	(26)	(26)	(27)	(25)	(27)	(26)
Hyperplasia, Lymphoid	1 (4%)	1 (4%)	1 (4%)	1 (4%)	1 (4%)	2 (8%)
Hyperplasia, Plasma Cell					1 (4%)	
Lymph Node, Mesenteric	(27)	(25)	(26)	(23)	(26)	(25)
Hematopoietic Cell Proliferation						1 (4%)
Hyperplasia, Lymphoid	19 (70%)	16 (64%)	13 (50%)	12 (52%)	17 (65%)	14 (56%)
Hyperplasia, Plasma Cell	1 (4%)				1 (4%)	

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
Infiltration Cellular, Histiocyte					1 (4%)	
Infiltration Cellular, Polymorphonuclear						1 (4%)
Spleen	(27)	(26)	(26)	(25)	(27)	(25)
Depletion Lymphoid						
Hematopoietic Cell Proliferation	1 (4%)	2 (8%)	4 (15%)	2 (8%)	5 (19%)	1 (4%)
Hemorrhage						1 (4%)
Hyperplasia, Lymphoid	2 (7%)		2 (8%)	5 (20%)	6 (22%)	2 (8%)
Thymus	(26)	(26)	(27)	(24)	(27)	(24)
Atrophy		1 (4%)	1 (4%)		1 (4%)	
Degeneration						
Hyperplasia, Lymphoid		2 (8%)	1 (4%)	1 (4%)		
Necrosis						
<b>INTEGUMENTARY SYSTEM</b>						
Skin	(27)	(26)	(27)	(27)	(27)	(27)
Abscess						1 (4%)
Cyst Epithelial Inclusion					1 (4%)	
Hemorrhage						1 (4%)
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone	(0)	(0)	(1)	(0)	(0)	(0)
Bone, Femur	(27)	(26)	(27)	(27)	(27)	(27)
Skeletal Muscle	(27)	(26)	(27)	(27)	(27)	(27)
Diaphragm, Foreign Body				1 (4%)		
Diaphragm, Inflammation, Granulomatous				1 (4%)		
<b>NERVOUS SYSTEM</b>						
Brain, Brain Stem	(27)	(26)	(27)	(27)	(27)	(27)
Brain, Cerebellum	(27)	(26)	(27)	(27)	(27)	(27)
Hemorrhage						1 (4%)
Brain, Cerebrum	(27)	(26)	(27)	(27)	(27)	(27)
Mineralization			4 (15%)	1 (4%)	2 (7%)	
<b>RESPIRATORY SYSTEM</b>						
Lung	(27)	(26)	(27)	(27)	(27)	(27)
Abscess		1 (4%)				
Congestion			1 (4%)			
Foreign Body						1 (4%)

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
Infiltration Cellular, Lymphocyte				1 (4%)		
Infiltration Cellular, Polymorphonuclear						1 (4%)
Inflammation, Chronic Active			1 (4%)			
Bronchiole, Epithelium, Hyperplasia						
Mediastinum, Inflammation, Suppurative				1 (4%)		
Mediastinum, Necrosis				1 (4%)		
Nose	(27)	(26)	(27)	(27)	(27)	(25)
Exudate			1 (4%)			
Foreign Body						
Inflammation, Suppurative	1 (4%)	1 (4%)	1 (4%)			
<b>SPECIAL SENSES SYSTEM</b>						
Eye	(27)	(26)	(26)	(26)	(27)	(25)
Harderian Gland	(27)	(26)	(27)	(27)	(27)	(27)
Epithelium, Hyperplasia		1 (4%)				
<b>URINARY SYSTEM</b>						
Kidney	(27)	(26)	(26)	(27)	(27)	(26)
Bacterium		1 (4%)				
Casts Protein				1 (4%)		1 (4%)
Cyst			1 (4%)	1 (4%)		
Infiltration Cellular, Lymphocyte	7 (26%)	2 (8%)	6 (23%)	11 (41%)	6 (22%)	4 (15%)
Inflammation, Chronic Active		1 (4%)				
Mineralization						
Nephropathy		1 (4%)				
Capsule, Inflammation, Chronic Active						
Pelvis, Dilatation		2 (8%)				1 (4%)
Pelvis, Inflammation, Chronic						1 (4%)
Renal Tubule, Regeneration						
Transitional Epithelium, Hyperplasia	1 (4%)	1 (4%)				
Urinary Bladder	(27)	(26)	(27)	(27)	(27)	(26)
Infiltration Cellular, Lymphocyte						
Lumen, Dilatation	1 (4%)	2 (8%)		1 (4%)	2 (7%)	2 (8%)

C3B6F1-+/Trp53(tm1Brd) NCTR MICE MALE	Vehicl 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 (13%)	1 (4%)
Intestine Large, Colon	(24)	(24)
Epithelium, Hyperplasia		
Intestine Large, Rectum	(24)	(24)
Degeneration, Cystic	1 (4%)	
Hyperplasia, Lymphoid		
Intestine Small, Duodenum	(24)	(24)
Inflammation, Chronic Active		
Intestine Small, Jejunum	(24)	(24)
Liver	(24)	(25)
Basophilic Focus		
Cytomegaly	18 (75%)	14 (56%)
Eosinophilic Focus		1 (4%)
Fatty Change		
Hematopoietic Cell Proliferation		
Inflammation, Chronic Active	1 (4%)	1 (4%)
Mixed Cell Focus		
Necrosis	2 (8%)	1 (4%)
Tension Lipidosis	3 (13%)	2 (8%)
Vacuolization Cytoplasmic	23 (96%)	18 (72%)
Mesentery	(0)	(0)
Fat, Fibrosis		

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:

Lab: NCTR

MICE/C3B6F1-+/Trp53(tm1Brd)

C3B6F1-+/Trp53(tm1Brd) NCTR MICE MALE	Vehicle PND 1-8 M	AZT 40 PND 1-8 M
Pancreas	(23)	(25)
Cytoplasmic Alteration	1 (4%)	
Inflammation, Chronic Active		
Pigmentation		
Acinar Cell, Degeneration		
Salivary Glands	(24)	(25)
Infiltration Cellular, Lymphocyte	8 (33%)	8 (32%)
Stomach, Forestomach	(24)	(25)
Epithelium, Hyperplasia		
Epithelium, Hyperplasia, Squamous		
Stomach, Glandular	(24)	(24)
<b>CARDIOVASCULAR SYSTEM</b>		
Blood Vessel	(24)	(24)
Heart	(24)	(25)
Cardiomyopathy		
Inflammation, Suppurative		
Polyarteritis		
Pericardium, Inflammation, Chronic Active		
<b>ENDOCRINE SYSTEM</b>		
Adrenal Cortex	(24)	(25)
Accessory Adrenal Cortical Nodule		
Cyst		
Hypertrophy		1 (4%)
Subcapsular, Hyperplasia	7 (29%)	7 (28%)
Adrenal Medulla	(24)	(25)
Islets, Pancreatic	(23)	(25)
Hyperplasia	1 (4%)	2 (8%)
Parathyroid Gland	(24)	(24)
Cyst		
Pituitary Gland	(24)	(25)
Thyroid Gland	(24)	(24)
Cyst		1 (4%)
Degeneration		
Ectopic Thymus	1 (4%)	
Infiltration Cellular, Lymphocyte		
Follicular Cell, Hyperplasia		
<b>GENERAL BODY SYSTEM</b>		



C3B6F1-+/Trp53(tm1Brd) NCTR MICE MALE	Vehicl PND 1-8 M	AZT 40 PND 1-8 M
Tissue NOS Mediastinum, Abscess Thoracic, Thrombosis	(0)	(1)

GENITAL SYSTEM

Coagulating Gland	(0)	(0)
Epididymis	(24)	(24)
Hypospermia		1 (4%)
Serosa, Inflammation, Chronic Active	1 (4%)	
Serosa, Necrosis	1 (4%)	
Preputial Gland	(24)	(24)
Abscess		1 (4%)
Atrophy		
Degeneration	1 (4%)	
Infiltration Cellular, Lymphocyte		
Inflammation, Suppurative		
Inflammation, Chronic Active		
Duct, Dilatation		1 (4%)
Prostate	(24)	(25)
Infiltration Cellular, Lymphocyte	1 (4%)	1 (4%)
Inflammation, Suppurative		
Epithelium, Hyperplasia	1 (4%)	
Seminal Vesicle	(24)	(25)
Inflammation, Chronic		
Lumen, Dilatation		
Serosa, Inflammation, Chronic Active	1 (4%)	
Testes	(24)	(24)
Spermatocele		1 (4%)
Interstitial Cell, Hyperplasia	2 (8%)	4 (17%)
Seminiferous Tubule, Degeneration	2 (8%)	2 (8%)

HEMATOPOIETIC SYSTEM

Bone Marrow	(24)	(25)
Myeloid Cell, Hyperplasia		2 (8%)
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 (63%)	12 (50%)
Hyperplasia, Plasma Cell		

TDMS No. 20310 - 02

Test Type: 26-39 WEEKS

Route: GAVAGE

Species/Strain:

MICE/C3B6F1-+/Trp53(tm1Brd)

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

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

CAS Number: 30516-87-1

Date Report Requested: 06/29/2009

Time Report Requested: 16:30:34

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

Lab: NCTR

C3B6F1-+/Trp53(tm1Brd) NCTR MICE MALE	Vehicl PND 1-8 M	AZT 40 PND 1-8 M
Infiltration Cellular, Histiocyte		
Infiltration Cellular, Polymorphonuclear		
Spleen	(24)	(24)
Depletion Lymphoid	1 (4%)	
Hematopoietic Cell Proliferation	2 (8%)	3 (13%)
Hemorrhage		
Hyperplasia, Lymphoid	5 (21%)	7 (29%)
Thymus	(23)	(22)
Atrophy		
Degeneration	1 (4%)	
Hyperplasia, Lymphoid		1 (5%)
Necrosis		1 (5%)
<b>INTEGUMENTARY SYSTEM</b>		
Skin	(24)	(25)
Abscess		
Cyst Epithelial Inclusion		
Hemorrhage		
<b>MUSCULOSKELETAL SYSTEM</b>		
Bone	(0)	(0)
Bone, Femur	(24)	(25)
Skeletal Muscle	(24)	(25)
Diaphragm, Foreign Body		
Diaphragm, Inflammation, Granulomatous		
<b>NERVOUS SYSTEM</b>		
Brain, Brain Stem	(24)	(25)
Brain, Cerebellum	(24)	(25)
Hemorrhage		
Brain, Cerebrum	(24)	(25)
Mineralization	6 (25%)	3 (12%)
<b>RESPIRATORY SYSTEM</b>		
Lung	(24)	(25)
Abscess		
Congestion		
Foreign Body		1 (4%)

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

C3B6F1-+/Trp53(tm1Brd) NCTR MICE MALE	Vehicl PND 1-8 M	AZT 40 PND 1-8 M
Infiltration Cellular, Lymphocyte		
Infiltration Cellular, Polymorphonuclear		1 (4%)
Inflammation, Chronic Active		
Bronchiole, Epithelium, Hyperplasia		1 (4%)
Mediastinum, Inflammation, Suppurative		
Mediastinum, Necrosis		
Nose	(24)	(25)
Exudate		
Foreign Body		1 (4%)
Inflammation, Suppurative		1 (4%)
<b>SPECIAL SENSES SYSTEM</b>		
Eye	(24)	(24)
Harderian Gland	(24)	(25)
Epithelium, Hyperplasia		
<b>URINARY SYSTEM</b>		
Kidney	(24)	(25)
Bacterium		
Casts Protein		
Cyst		
Infiltration Cellular, Lymphocyte	6 (25%)	6 (24%)
Inflammation, Chronic Active		
Mineralization		1 (4%)
Nephropathy		
Capsule, Inflammation, Chronic Active	1 (4%)	
Pelvis, Dilatation		1 (4%)
Pelvis, Inflammation, Chronic		
Renal Tubule, Regeneration	2 (8%)	3 (12%)
Transitional Epithelium, Hyperplasia		
Urinary Bladder	(24)	(24)
Infiltration Cellular, Lymphocyte		1 (4%)
Lumen, Dilatation		

\*\*\* END OF MALE \*\*\*

\*\*\* END OF REPORT \*\*\*