

TDMS No. 20310 - 01

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:

Female

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: 16:30:29

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

Lab: NCTR

C3B6F1-+/Trp53(tm1Brd) NCTR MICE FEMALE	Vehicle 6 mo F	AZT 120 6 mo F	Vehicle 9 mo F	AZT 40 9 mo F	AZT 80 9 mo F	AZT 120 9 mo F
Disposition Summary						
Animals Initially in Study	27	26	26	27	27	27
Early Deaths						
Moribund Sacrifice	1		1			1
Natural Death	1			1	1	
Survivors						
Moribund Sacrifice	1		1	2	1	2
Natural Death			1	1	1	3
Terminal Sacrifice	24	26	23	23	24	21
Animals Examined Microscopically	27	26	26	27	27	27

ALIMENTARY SYSTEM

Esophagus	(23)	(25)	(26)	(27)	(27)	(27)
Adventitia, Foreign Body	1 (4%)					
Adventitia, Necrosis	1 (4%)			1 (4%)		
Gallbladder	(24)	(25)	(25)	(26)	(27)	(25)
Intestine Large, Cecum	(26)	(26)	(25)	(27)	(25)	(24)
Hyperplasia, Lymphoid Epithelium, Hyperplasia		2 (8%)	2 (8%)	2 (7%)	3 (12%)	2 (8%)
Intestine Large, Colon	(26)	(26)	(26)	(26)	(27)	(25)
Intestine Large, Rectum	(26)	(26)	(25)	(27)	(27)	(25)
Hyperplasia, Lymphoid				1 (4%)	1 (4%)	
Intestine Small, Ileum	(26)	(26)	(25)	(27)	(25)	(25)
Intestine Small, Jejunum	(26)	(26)	(25)	(27)	(25)	(25)
Liver	(26)	(26)	(26)	(27)	(27)	(27)
Basophilic Focus						1 (4%)
Hematopoietic Cell Proliferation					1 (4%)	
Infiltration Cellular, Lymphocyte		1 (4%)				1 (4%)
Inflammation, Chronic Active Necrosis	3 (12%)	2 (8%)		2 (7%)	1 (4%)	
Tension Lipidosis	1 (4%)	3 (12%)	3 (12%)	5 (19%)	7 (26%)	4 (15%)
Vacuolization Cytoplasmic	1 (4%)	1 (4%)	6 (23%)	4 (15%)	3 (11%)	10 (37%)
Mesentery	(0)	(0)	(1)	(0)	(1)	(1)
Hemorrhage			1 (100%)			1 (100%)
Fat, Necrosis					1 (100%)	1 (100%)
Pancreas	(26)	(26)	(26)	(27)	(27)	(26)
Cytoplasmic Alteration						1 (4%)
Infiltration Cellular, Lymphocyte		1 (4%)			1 (4%)	3 (12%)
Inflammation, Chronic Active		1 (4%)				
Acinar Cell, Degeneration					1 (4%)	1 (4%)
Salivary Glands	(26)	(26)	(26)	(27)	(26)	(27)

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

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

Lab: NCTR

C3B6F1-+/Trp53(tm1Brd) NCTR MICE FEMALE	Vehicle 6 mo F	AZT 120 6 mo F	Vehicle 9 mo F	AZT 40 9 mo F	AZT 80 9 mo F	AZT 120 9 mo F
Infiltration Cellular, Lymphocyte Stomach, Forestomach	14 (54%) (26)	7 (27%) (26)	15 (58%) (26)	14 (52%) (27)	10 (38%) (27)	10 (37%) (27)
Stomach, Glandular	(26)	(26)	(25)	(27)	(25)	(25)
CARDIOVASCULAR SYSTEM						
Heart	(26)	(26)	(26)	(27)	(27)	(26)
Bacterium				1 (4%)		
Cardiomyopathy	1 (4%)					
Congestion					2 (7%)	
Inflammation, Chronic Active			1 (4%)		1 (4%)	1 (4%)
Pericardium, Inflammation, Chronic	1 (4%)					
Pericardium, Inflammation, Chronic Active		1 (4%)				
Pericardium, Mineralization		1 (4%)				
Pericardium, Necrosis				1 (4%)		
ENDOCRINE SYSTEM						
Adrenal Cortex	(26)	(26)	(26)	(27)	(27)	(26)
Accessory Adrenal Cortical Nodule	1 (4%)	1 (4%)				
Vacuolization Cytoplasmic	2 (8%)					
Subcapsular, Hyperplasia	23 (88%)	24 (92%)	25 (96%)	25 (93%)	27 (100%)	24 (92%)
Adrenal Medulla	(26)	(26)	(25)	(27)	(27)	(26)
Parathyroid Gland	(22)	(21)	(21)	(22)	(22)	(22)
Cyst				1 (5%)		
Infiltration Cellular, Lymphocyte	1 (5%)					
Pituitary Gland	(26)	(26)	(26)	(27)	(27)	(27)
Thyroid Gland	(26)	(25)	(25)	(27)	(27)	(26)
Cyst	1 (4%)			1 (4%)		
Degeneration			1 (4%)	2 (7%)		
Ectopic Thymus				2 (7%)		1 (4%)
Infiltration Cellular, Lymphocyte	1 (4%)	1 (4%)				
GENERAL BODY SYSTEM						
Tissue NOS	(0)	(1)	(0)	(1)	(0)	(1)
Abscess		1 (100%)				
Mediastinum, Abscess						1 (100%)
Mediastinum, Foreign Body						1 (100%)
GENITAL SYSTEM						

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

C3B6F1-+/Trp53(tm1Brd) NCTR MICE FEMALE	Vehicle 6 mo F	AZT 120 6 mo F	Vehicle 9 mo F	AZT 40 9 mo F	AZT 80 9 mo F	AZT 120 9 mo F
Clitoral Gland Degeneration	(24)	(25)	(25)	(26)	(26)	(27)
Ovary Cyst	(26)	(26)	(26)	(27)	(27)	(26)
Ovary Pigmentation		1 (4%)		1 (4%)	1 (4%)	1 (4%)
Ovary Bilateral, Cyst					1 (4%)	1 (4%)
Uterus Edema	(26)	(26)	(26)	(27)	(27)	(27)
Uterus Infiltration Cellular, Polymorphonuclear			1 (4%)	3 (11%)	3 (11%)	3 (11%)
Uterus Endometrium, Hyperplasia, Cystic	1 (4%)	1 (4%)	3 (12%)	4 (15%)	5 (19%)	5 (19%)
Uterus Lumen, Dilatation	2 (8%)	2 (8%)	10 (38%)	12 (44%)	14 (52%)	8 (30%)
Vagina	(27)	(26)	(25)	(27)	(27)	(24)

HEMATOPOIETIC SYSTEM

Bone Marrow	(26)	(26)	(26)	(26)	(26)	(26)
Bone Marrow Myeloid Cell, Hyperplasia	3 (12%)	2 (8%)			4 (15%)	1 (4%)
Lymph Node	(3)	(1)	(1)	(1)	(0)	(3)
Lymph Node Lumbar, Hyperplasia, Lymphoid			1 (100%)			1 (33%)
Lymph Node Mediastinal, Hyperplasia, Lymphoid	2 (67%)					
Lymph Node Mediastinal, Infiltration Cellular, Plasma Cell	1 (33%)					
Lymph Node Renal, Hyperplasia, Lymphoid						
Lymph Node, Mandibular	(26)	(25)	(26)	(27)	(25)	(26)
Lymph Node, Mandibular Hyperplasia, Lymphoid	3 (12%)	2 (8%)			2 (8%)	
Lymph Node, Mesenteric	(24)	(25)	(26)	(26)	(26)	(27)
Lymph Node, Mesenteric Hyperplasia, Lymphoid	7 (29%)	11 (44%)	8 (31%)	6 (23%)	6 (23%)	6 (22%)
Spleen	(26)	(26)	(26)	(26)	(27)	(27)
Spleen Depletion Lymphoid	1 (4%)					
Spleen Hematopoietic Cell Proliferation	3 (12%)	2 (8%)	5 (19%)	4 (15%)	5 (19%)	8 (30%)
Spleen Hyperplasia, Lymphoid		2 (8%)	4 (15%)	5 (19%)	7 (26%)	6 (22%)
Thymus	(26)	(26)	(24)	(26)	(23)	(27)
Thymus Bacterium				1 (4%)		
Thymus Cyst, Multiple						
Thymus Foreign Body				1 (4%)		
Thymus Hyperplasia, Lymphoid	3 (12%)	2 (8%)	3 (13%)	2 (8%)	3 (13%)	2 (7%)
Thymus Hyperplasia, Plasma Cell	1 (4%)					
Thymus Inflammation, Chronic Active						1 (4%)
Thymus Necrosis	1 (4%)			1 (4%)		
Thymus Adventitia, Inflammation, Chronic	1 (4%)					
Thymus Epithelial Cell, Hyperplasia	1 (4%)					

INTEGUMENTARY SYSTEM

Mammary Gland	(24)	(24)	(25)	(26)	(27)	(27)
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C3B6F1-+/Trp53(tm1Brd) NCTR MICE FEMALE	Vehicle 6 mo F	AZT 120 6 mo F	Vehicle 9 mo F	AZT 40 9 mo F	AZT 80 9 mo F	AZT 120 9 mo F
Alveolus, Hyperplasia Skin	(26)	(26)	(26)	1 (4%) (27)	(27)	(27)
MUSCULOSKELETAL SYSTEM						
Bone	(0)	(0)	(0)	(1)	(0)	(1)
Bone, Femur	(27)	(26)	(26)	(27)	(27)	(27)
Skeletal Muscle	(27)	(26)	(26)	(27)	(27)	(27)
Atrophy			2 (8%)			
Cyst			1 (4%)			
NERVOUS SYSTEM						
Brain, Brain Stem	(26)	(26)	(26)	(27)	(27)	(27)
Gliosis				1 (4%)		
Brain, Cerebellum	(26)	(26)	(26)	(27)	(27)	(27)
Brain, Cerebrum	(26)	(26)	(26)	(27)	(27)	(27)
Compression						1 (4%)
Cyst Epithelial Inclusion	1 (4%)					
Infiltration Cellular, Lymphocyte				1 (4%)		
Mineralization				1 (4%)	4 (15%)	2 (7%)
Peripheral Nerve	(0)	(0)	(2)	(0)	(0)	(0)
Axon, Degeneration			2 (100%)			
Spinal Cord	(0)	(0)	(1)	(0)	(0)	(0)
Axon, Degeneration			1 (100%)			
RESPIRATORY SYSTEM						
Lung	(26)	(26)	(26)	(27)	(26)	(27)
Abscess	2 (8%)					1 (4%)
Bacterium				1 (4%)		
Foreign Body						1 (4%)
Infiltration Cellular, Lymphocyte	1 (4%)					
Inflammation, Chronic Active		1 (4%)				1 (4%)
Necrosis						1 (4%)
Mediastinum, Foreign Body				1 (4%)		
Mediastinum, Inflammation, Chronic Active		1 (4%)				
Mediastinum, Mineralization		1 (4%)				
Mediastinum, Necrosis	1 (4%)			1 (4%)		
Nose	(26)	(26)	(26)	(27)	(27)	(27)
SPECIAL SENSES SYSTEM						

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

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C3B6F1-+/Trp53(tm1Brd) NCTR MICE FEMALE	Vehicle 6 mo F	AZT 120 6 mo F	Vehicle 9 mo F	AZT 40 9 mo F	AZT 80 9 mo F	AZT 120 9 mo F
Eye	(26)	(26)	(25)	(25)	(26)	(24)
Cataract			1 (4%)			
Harderian Gland	(26)	(26)	(26)	(27)	(27)	(25)
Infiltration Cellular, Lymphocyte	1 (4%)					
URINARY SYSTEM						
Kidney	(26)	(26)	(26)	(27)	(27)	(27)
Casts Protein			1 (4%)	1 (4%)	3 (11%)	2 (7%)
Cyst			1 (4%)			1 (4%)
Glomerulosclerosis						1 (4%)
Hydronephrosis					1 (4%)	
Infiltration Cellular, Lymphocyte	8 (31%)	3 (12%)	9 (35%)	6 (22%)	5 (19%)	4 (15%)
Inflammation, Suppurative					1 (4%)	
Inflammation, Chronic Active	1 (4%)					
Metaplasia, Osseous				1 (4%)		
Mineralization			1 (4%)			
Nephropathy					1 (4%)	1 (4%)
Ureter	(0)	(0)	(0)	(0)	(1)	(0)
Inflammation, Suppurative					1 (100%)	
Lumen, Dilatation					1 (100%)	
Urinary Bladder	(26)	(26)	(26)	(27)	(27)	(26)
Infiltration Cellular, Lymphocyte	3 (12%)	1 (4%)	1 (4%)	4 (15%)	2 (7%)	1 (4%)
Lumen, Dilatation						

C3B6F1-+/Trp53(tm1Brd) NCTR MICE FEMALE	Vehicle PND1-8 F	AZT 40 PND1-8 F
Disposition Summary		
Animals Initially in Study	26	26
Early Deaths		
Moribund Sacrifice		
Natural Death		
Survivors		
Moribund Sacrifice		3
Natural Death	1	
Terminal Sacrifice	25	23
Animals Examined Microscopically	26	26
ALIMENTARY SYSTEM		
Esophagus	(26)	(25)
Adventitia, Foreign Body		
Adventitia, Necrosis		
Gallbladder	(25)	(26)
Intestine Large, Cecum	(25)	(26)
Hyperplasia, Lymphoid Epithelium, Hyperplasia	3 (12%)	
Intestine Large, Colon	(25)	(26)
Intestine Large, Rectum	(25)	(26)
Hyperplasia, Lymphoid		
Intestine Small, Ileum	(25)	(26)
Intestine Small, Jejunum	(25)	(26)
Liver	(25)	(26)
Basophilic Focus		1 (4%)
Hematopoietic Cell Proliferation		
Infiltration Cellular, Lymphocyte	2 (8%)	1 (4%)
Inflammation, Chronic Active Necrosis	2 (8%)	
Tension Lipidosis	3 (12%)	4 (15%)
Vacuolization Cytoplasmic	12 (48%)	6 (23%)
Mesentery	(0)	(0)
Hemorrhage		
Fat, Necrosis		
Pancreas	(26)	(26)
Cytoplasmic Alteration		
Infiltration Cellular, Lymphocyte		
Inflammation, Chronic Active		
Acinar Cell, Degeneration		
Salivary Glands	(25)	(26)

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C3B6F1-+/Trp53(tm1Brd) NCTR MICE FEMALE	Vehicl PND1-8 F	AZT 40 PND1-8 F
Infiltration Cellular, Lymphocyte Stomach, Forestomach	15 (60%) (25)	12 (46%) (26)
Stomach, Glandular	(25)	(26)
CARDIOVASCULAR SYSTEM		
Heart	(25)	(26)
Bacterium		
Cardiomyopathy		
Congestion		
Inflammation, Chronic Active		
Pericardium, Inflammation, Chronic		
Pericardium, Inflammation, Chronic Active		
Pericardium, Mineralization		
Pericardium, Necrosis		
ENDOCRINE SYSTEM		
Adrenal Cortex	(26)	(26)
Accessory Adrenal Cortical Nodule		
Vacuolization Cytoplasmic		
Subcapsular, Hyperplasia	23 (88%)	24 (92%)
Adrenal Medulla	(26)	(26)
Parathyroid Gland	(25)	(24)
Cyst		
Infiltration Cellular, Lymphocyte		
Pituitary Gland	(26)	(26)
Thyroid Gland	(26)	(26)
Cyst		
Degeneration		1 (4%)
Ectopic Thymus	2 (8%)	1 (4%)
Infiltration Cellular, Lymphocyte		
GENERAL BODY SYSTEM		
Tissue NOS	(0)	(0)
Abscess		
Mediastinum, Abscess		
Mediastinum, Foreign Body		
GENITAL SYSTEM		

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

C3B6F1-+/Trp53(tm1Brd) NCTR MICE FEMALE	Vehicle PND1-8 F	AZT 40 PND1-8 F
Clitoral Gland Degeneration	(26)	(25)
Ovary Cyst	(26) 4 (15%)	(26) 1 (4%)
Pigmentation Bilateral, Cyst		
Uterus Edema	(26)	(26)
Infiltration Cellular, Polymorphonuclear	1 (4%)	
Endometrium, Hyperplasia, Cystic	4 (15%)	3 (12%)
Lumen, Dilatation	16 (62%)	13 (50%)
Vagina	(26)	(25)
HEMATOPOIETIC SYSTEM		
Bone Marrow Myeloid Cell, Hyperplasia	(25)	(26)
Lymph Node Lumbar, Hyperplasia, Lymphoid	(0)	(2)
Mediastinal, Hyperplasia, Lymphoid		
Mediastinal, Infiltration Cellular, Plasma Cell		
Renal, Hyperplasia, Lymphoid		1 (50%)
Lymph Node, Mandibular Hyperplasia, Lymphoid	(25)	(25) 1 (4%)
Lymph Node, Mesenteric Hyperplasia, Lymphoid	(25) 4 (16%)	(26) 3 (12%)
Spleen Depletion Lymphoid	(26)	(26)
Hematopoietic Cell Proliferation	2 (8%)	2 (8%)
Hyperplasia, Lymphoid	6 (23%)	6 (23%)
Thymus Bacterium	(25)	(25)
Cyst, Multiple		1 (4%)
Foreign Body		
Hyperplasia, Lymphoid	1 (4%)	3 (12%)
Hyperplasia, Plasma Cell		
Inflammation, Chronic Active		
Necrosis		
Adventitia, Inflammation, Chronic		
Epithelial Cell, Hyperplasia		
INTEGUMENTARY SYSTEM		
Mammary Gland	(26)	(26)

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C3B6F1-+/Trp53(tm1Brd) NCTR MICE FEMALE	Vehicle PND1-8 F	AZT 40 PND1-8 F
Alveolus, Hyperplasia		
Skin	(26)	(26)
MUSCULOSKELETAL SYSTEM		
Bone	(0)	(0)
Bone, Femur	(26)	(26)
Skeletal Muscle	(26)	(26)
Atrophy		
Cyst		
NERVOUS SYSTEM		
Brain, Brain Stem	(26)	(26)
Gliosis		
Brain, Cerebellum	(26)	(26)
Brain, Cerebrum	(26)	(26)
Compression		
Cyst Epithelial Inclusion		
Infiltration Cellular, Lymphocyte		
Mineralization	2 (8%)	4 (15%)
Peripheral Nerve	(0)	(0)
Axon, Degeneration		
Spinal Cord	(0)	(0)
Axon, Degeneration		
RESPIRATORY SYSTEM		
Lung	(26)	(26)
Abscess		
Bacterium		
Foreign Body		
Infiltration Cellular, Lymphocyte		1 (4%)
Inflammation, Chronic Active		1 (4%)
Necrosis		
Mediastinum, Foreign Body		
Mediastinum, Inflammation, Chronic Active		
Mediastinum, Mineralization		
Mediastinum, Necrosis		
Nose	(26)	(26)
SPECIAL SENSES SYSTEM		

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

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C3B6F1-+/Trp53(tm1Brd) NCTR MICE FEMALE	Vehicle PND1-8 F	AZT 40 PND1-8 F
Eye	(25)	(26)
Cataract		
Harderian Gland	(25)	(26)
Infiltration Cellular, Lymphocyte		
<hr/>		
URINARY SYSTEM		
Kidney	(25)	(26)
Casts Protein		
Cyst		
Glomerulosclerosis		
Hydronephrosis		
Infiltration Cellular, Lymphocyte	9 (36%)	5 (19%)
Inflammation, Suppurative		
Inflammation, Chronic Active		
Metaplasia, Osseous		
Mineralization		
Nephropathy		
Ureter	(0)	(0)
Inflammation, Suppurative		
Lumen, Dilatation		
Urinary Bladder	(25)	(26)
Infiltration Cellular, Lymphocyte	2 (8%)	3 (12%)
Lumen, Dilatation	1 (4%)	

*** END OF REPORT ***