

**TDMS No.** 20311 - 01

**Test Type:** CHRONIC

**Route:** IN-UTERO

**Species/Strain:** MICE/B6C3F1/NCTR

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

AZT/Drug Combinations Transplacental Carcinogenesis Study

**CAS Number:** AIDSTHERAPEU

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

**Time Report Requested:** 16:30:06

**First Dose M/F:** 07/10/03 / NA

**Lab:** NCTR

**C Number:** C20311  
**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

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	AZT-H to 0	AZT-M to 0	AZT-L to 0	AZT-H/3TC-H to 0	AZT-M/3TC-M to 0	AZT-L/3TC-L to 0
<b>Disposition Summary</b>						
Animals Initially in Study	48	48	48	48	48	51
Early Deaths						
Moribund Sacrifice	8	5	8	6	5	7
Natural Death	2	3		5	4	1
Survivors						
Moribund Sacrifice	1	1			1	3
Natural Death	1	1				
Terminal Sacrifice	35	38	39	34	35	39
Harvest	1		1	3	3	1
Animals Examined Microscopically	48	48	48	48	48	51

ALIMENTARY SYSTEM

Gallbladder	(45)	(44)	(48)	(44)	(42)	(49)
Vacuolization Cytoplasmic Epithelium, Hyperplasia				1 (2%)		
Intestine Large, Cecum	(45)	(45)	(48)	(43)	(45)	(50)
Hyperplasia, Lymphoid		1 (2%)	2 (4%)	2 (5%)	5 (11%)	2 (4%)
Intestine Large, Colon	(45)	(46)	(48)	(44)	(45)	(50)
Hyperplasia, Lymphoid				1 (2%)		
Inflammation, Chronic Active Ulcer					1 (2%)	
Intestine Large, Rectum	(45)	(45)	(48)	(43)	(45)	(50)
Anus, Hemorrhage			1 (2%)			
Anus, Inflammation, Chronic			1 (2%)			
Anus, Necrosis			1 (2%)			
Intestine Small, Duodenum	(45)	(45)	(48)	(43)	(44)	(50)
Hyperplasia, Lymphoid	1 (2%)		1 (2%)			
Infiltration Cellular, Plasma Cell						1 (2%)
Infiltration Cellular, Polymorphonuclear						
Inflammation, Chronic Active			1 (2%)			
Epithelium, Hyperplasia					1 (2%)	
Intestine Small, Ileum	(45)	(45)	(48)	(43)	(45)	(50)
Hyperplasia, Lymphoid				1 (2%)		
Infiltration Cellular, Polymorphonuclear						
Inflammation, Suppurative						
Inflammation, Chronic Active						
Intestine Small, Jejunum	(45)	(44)	(48)	(43)	(46)	(50)
Hyperplasia, Lymphoid						
Inflammation, Chronic Active	1 (2%)					1 (2%)
Liver	(46)	(47)	(48)	(46)	(48)	(51)

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	AZT-H to 0	AZT-M to 0	AZT-L to 0	AZT-H/3TC-H to 0	AZT-M/3TC-M to 0	AZT-L/3TC-L to 0
Angiectasis					1 (2%)	
Basophilic Focus	4 (9%)	6 (13%)	2 (4%)	4 (9%)	5 (10%)	6 (12%)
Basophilic Focus, Multiple					1 (2%)	
Cholangiofibrosis						
Clear Cell Focus				1 (2%)		1 (2%)
Clear Cell Focus, Multiple						
Cyst						1 (2%)
Cyst Multilocular						
Eosinophilic Focus	1 (2%)		4 (8%)	2 (4%)	2 (4%)	3 (6%)
Eosinophilic Focus, Multiple				1 (2%)		
Fatty Change		1 (2%)				
Fibrosis					1 (2%)	
Focal Cellular Change						
Hematopoietic Cell Proliferation	1 (2%)					3 (6%)
Hepatodiaphragmatic Nodule						
Infiltration Cellular, Lymphocyte	1 (2%)	3 (6%)	4 (8%)	3 (7%)	4 (8%)	4 (8%)
Inflammation, Chronic		1 (2%)				
Inflammation, Chronic Active	1 (2%)		2 (4%)	1 (2%)	1 (2%)	1 (2%)
Mineralization			1 (2%)			
Mixed Cell Focus				1 (2%)	2 (4%)	
Necrosis	4 (9%)	2 (4%)	2 (4%)	2 (4%)	2 (4%)	
Tension Lipidosis	10 (22%)	11 (23%)	12 (25%)	10 (22%)	6 (13%)	8 (16%)
Vacuolization Cytoplasmic	5 (11%)	1 (2%)	2 (4%)	3 (7%)		4 (8%)
Oval Cell, Hyperplasia						
Mesentery	(3)	(1)	(2)	(0)	(1)	(2)
Hemorrhage						
Necrosis						
Fat, Necrosis	1 (33%)		1 (50%)		1 (100%)	2 (100%)
Pancreas	(46)	(46)	(48)	(45)	(45)	(50)
Cyst			1 (2%)		1 (2%)	
Cytoplasmic Alteration						
Edema						
Fibrosis						
Infiltration Cellular, Lymphocyte	4 (9%)	2 (4%)	6 (13%)	6 (13%)	5 (11%)	6 (12%)
Inflammation, Chronic Active					1 (2%)	
Acinus, Degeneration	1 (2%)	5 (11%)	7 (15%)	4 (9%)	5 (11%)	6 (12%)
Salivary Glands	(46)	(46)	(48)	(44)	(47)	(50)
Fibrosis					1 (2%)	
Infiltration Cellular, Lymphocyte	40 (87%)	38 (83%)	45 (94%)	38 (86%)	41 (87%)	44 (88%)
Inflammation, Chronic Active					1 (2%)	
Mineralization						
Stomach, Forestomach	(46)	(46)	(48)	(45)	(45)	(50)
Cyst Epithelial Inclusion						
Hyperkeratosis		1 (2%)				
Hyperplasia				1 (2%)		
Inflammation, Chronic Active		1 (2%)				

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	AZT-H to 0	AZT-M to 0	AZT-L to 0	AZT-H/3TC-H to 0	AZT-M/3TC-M to 0	AZT-L/3TC-L to 0
Ulcer Epithelium, Hyperplasia	1 (2%)	1 (2%)		1 (2%)		1 (2%)
Stomach, Glandular Degeneration	(45)	(44)	(48)	(43)	(45)	(50)
Infiltration Cellular, Polymorphonuclear Inflammation, Suppurative		1 (2%)		1 (2%)		
Inflammation, Chronic Active Necrosis					1 (2%)	
Ulcer Epithelium, Hyperplasia						2 (4%)
Glands, Hyperplasia Tongue	(0)	(0)	(0)	(1)	(0)	(0)
<b>CARDIOVASCULAR SYSTEM</b>						
Blood Vessel Hemorrhage Polyarteritis	(47)	(47)	(48)	(46)	(48)	(50)
Heart Cardiomyopathy	(47)	(48)	(48)	(46)	(48)	(50)
Inflammation Inflammation, Chronic Active Necrosis		1 (2%)	2 (4%)		2 (4%)	1 (2%)
Polyarteritis Ventricle, Dilatation			1 (2%)			2 (4%)
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex Accessory Adrenal Cortical Nodule Cyst	(47)	(45)	(48)	(45)	(46)	(50)
Depletion Hyperplasia Hypertrophy	1 (2%)		1 (2%)	3 (7%)	2 (4%)	1 (2%)
Inflammation, Chronic Active Subcapsular, Hyperplasia	2 (4%)		4 (8%)	1 (2%)	4 (9%)	3 (6%)
Adrenal Medulla Hyperplasia	38 (81%)	33 (73%)	38 (79%)	34 (76%)	36 (78%)	37 (74%)
Islets, Pancreatic Hyperplasia	(45)	(45)	(46)	(43)	(46)	(49)
Parathyroid Gland Cyst	(47)	(48)	(48)	(45)	(44)	(50)
Infiltration Cellular, Lymphocyte Pituitary Gland	5 (11%)	6 (13%)	5 (10%)	8 (18%)	9 (20%)	12 (24%)
	(43)	(41)	(37)	(41)	(37)	(45)
		1 (2%)	1 (3%)		1 (3%)	1 (2%)
	(45)	(48)	(47)	(45)	(44)	(50)

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	AZT-H to 0	AZT-M to 0	AZT-L to 0	AZT-H/3TC-H to 0	AZT-M/3TC-M to 0	AZT-L/3TC-L to 0
Pars Distalis, Cyst	3 (7%)	3 (6%)	7 (15%)	7 (16%)	3 (7%)	1 (2%)
Pars Distalis, Hyperplasia	1 (2%)		1 (2%)		1 (2%)	3 (6%)
Thyroid Gland	(46)	(45)	(48)	(46)	(46)	(50)
Depletion			1 (2%)			
Ectopic Thymus	1 (2%)			1 (2%)	1 (2%)	
Infiltration Cellular, Lymphocyte	1 (2%)		1 (2%)			
Inflammation, Chronic Active					1 (2%)	
Polyarteritis						1 (2%)
Follicle, Cyst		1 (2%)				
Follicle, Degeneration	5 (11%)	6 (13%)	7 (15%)	3 (7%)	6 (13%)	4 (8%)
Follicular Cell, Hyperplasia						
<b>GENERAL BODY SYSTEM</b>						
Tissue NOS	(1)	(2)	(0)	(3)	(1)	(1)
Abdominal, Fibrosis						
Abdominal, Infiltration Cellular, Polymorphonuclear						
Abdominal, Inflammation, Granulomatous						
Abdominal, Inflammation, Chronic Active						
<b>GENITAL SYSTEM</b>						
Coagulating Gland	(0)	(1)	(0)	(1)	(0)	(2)
Lumen, Dilatation		1 (100%)		1 (100%)		2 (100%)
Epididymis	(46)	(45)	(48)	(45)	(46)	(50)
Atrophy						
Fibrosis						1 (2%)
Hypospermia			1 (2%)		1 (2%)	4 (8%)
Infiltration Cellular, Lymphocyte		3 (7%)	2 (4%)	2 (4%)	2 (4%)	1 (2%)
Inflammation, Chronic						
Inflammation, Chronic Active			1 (2%)		1 (2%)	
Mineralization						
Polyarteritis				1 (2%)		
Spermatocele			1 (2%)		1 (2%)	
Duct, Degeneration						
Preputial Gland	(46)	(44)	(48)	(44)	(46)	(50)
Cyst	2 (4%)	10 (23%)	7 (15%)	1 (2%)	2 (4%)	5 (10%)
Degeneration	16 (35%)	19 (43%)	17 (35%)	19 (43%)	21 (46%)	27 (54%)
Infiltration Cellular, Lymphocyte	3 (7%)	1 (2%)	1 (2%)	1 (2%)	1 (2%)	
Inflammation, Suppurative			2 (4%)	2 (5%)		
Inflammation, Chronic Active	3 (7%)	7 (16%)	1 (2%)	4 (9%)	6 (13%)	1 (2%)
Bilateral, Cyst					1 (2%)	
Duct, Dilatation		1 (2%)				1 (2%)

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	AZT-H to 0	AZT-M to 0	AZT-L to 0	AZT-H/3TC-H to 0	AZT-M/3TC-M to 0	AZT-L/3TC-L to 0
Fat, Degeneration	1 (2%)					
Fat, Necrosis			1 (2%)			
Prostate	(44)	(43)	(48)	(44)	(46)	(50)
Dilatation						
Infiltration Cellular, Lymphocyte	5 (11%)	8 (19%)	6 (13%)	7 (16%)	4 (9%)	9 (18%)
Inflammation, Suppurative						
Inflammation, Chronic Active					1 (2%)	
Polyarteritis						
Seminal Vesicle	(46)	(46)	(48)	(45)	(45)	(50)
Amyloid Deposition						
Atrophy	1 (2%)			1 (2%)	1 (2%)	1 (2%)
Infiltration Cellular, Lymphocyte	1 (2%)					
Inflammation, Chronic Active					1 (2%)	
Lumen, Dilatation	3 (7%)	3 (7%)	1 (2%)	5 (11%)	3 (7%)	2 (4%)
Testes	(45)	(45)	(48)	(44)	(45)	(50)
Mineralization						
Seminiferous Tubule, Degeneration	2 (4%)	6 (13%)	5 (10%)	3 (7%)	5 (11%)	9 (18%)

HEMATOPOIETIC SYSTEM

Bone Marrow	(46)	(46)	(48)	(44)	(46)	(51)
Fibrosis					1 (2%)	
Hyperplasia	5 (11%)	3 (7%)	1 (2%)	1 (2%)	2 (4%)	3 (6%)
Pigmentation						
Lymph Node	(1)	(7)	(4)	(3)	(4)	(3)
Hemorrhage						
Axillary, Hyperplasia, Lymphoid		1 (14%)	2 (50%)			
Axillary, Infiltration Cellular, Histiocyte	1 (100%)					
Axillary, Infiltration Cellular, Plasma Cell						
Axillary, Infiltration Cellular, Polymorphonuclear						
Inguinal, Hyperplasia, Lymphoid						
Inguinal, Infiltration Cellular, Plasma Cell						
Inguinal, Infiltration Cellular, Polymorphonuclear						
Inguinal, Pigmentation						
Lumbar, Hemorrhage						
Lumbar, Hyperplasia, Lymphoid		1 (14%)		1 (33%)		
Lumbar, Infiltration Cellular, Plasma Cell						
Mediastinal, Hyperplasia, Lymphoid		1 (14%)				
Mediastinal, Infiltration Cellular, Histiocyte						
Mediastinal, Inflammation, Chronic Active						
Pancreatic, Hyperplasia, Lymphoid				1 (25%)	1 (25%)	
Pancreatic, Infiltration Cellular, Histiocyte						
Pancreatic, Sinus, Dilatation						

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	AZT-H to 0	AZT-M to 0	AZT-L to 0	AZT-H/3TC-H to 0	AZT-M/3TC-M to 0	AZT-L/3TC-L to 0
Renal, Hemorrhage						
Renal, Hyperplasia, Lymphoid		1 (14%)		1 (33%)		
Renal, Infiltration Cellular, Histiocyte						
Renal, Infiltration Cellular, Plasma Cell						
Renal, Infiltration Cellular, Polymorphonuclear						
Renal, Inflammation, Chronic Active						
Lymph Node, Mandibular Hemorrhage	(43)	(45)	(46)	(45)	(46)	(50)
Hyperplasia, Lymphoid	6 (14%)	9 (20%)	9 (20%)	9 (20%)	4 (9%)	9 (18%)
Hyperplasia, Plasma Cell						
Infiltration Cellular, Mast Cell					1 (2%)	
Infiltration Cellular, Plasma Cell	2 (5%)			1 (2%)		
Infiltration Cellular, Polymorphonuclear						
Inflammation, Chronic Active						
Necrosis						
Pigmentation						
Lymph Node, Mesenteric	(45)	(46)	(48)	(44)	(46)	(50)
Angiectasis	4 (9%)	6 (13%)	8 (17%)	7 (16%)	4 (9%)	5 (10%)
Fibrosis						
Hematopoietic Cell Proliferation				1 (2%)		
Hemorrhage	10 (22%)	18 (39%)	16 (33%)	15 (34%)	13 (28%)	7 (14%)
Hyperplasia, Lymphoid	24 (53%)	28 (61%)	29 (60%)	23 (52%)	23 (50%)	34 (68%)
Infiltration Cellular, Histiocyte	3 (7%)	4 (9%)	3 (6%)	3 (7%)	2 (4%)	4 (8%)
Infiltration Cellular, Mast Cell			1 (2%)	1 (2%)	1 (2%)	
Infiltration Cellular, Plasma Cell		1 (2%)		2 (5%)	2 (4%)	1 (2%)
Infiltration Cellular, Polymorphonuclear				1 (2%)	3 (7%)	1 (2%)
Inflammation, Granulomatous						
Inflammation, Chronic Active						
Necrosis		1 (2%)				
Polyarteritis	1 (2%)					
Thrombosis			1 (2%)			
Sinus, Dilatation	5 (11%)	5 (11%)	5 (10%)	9 (20%)	4 (9%)	4 (8%)
Spleen	(46)	(45)	(48)	(45)	(47)	(50)
Accessory Spleen						
Angiectasis						
Atrophy						
Congestion				1 (2%)		
Depletion Lymphoid						
Hematopoietic Cell Proliferation	8 (17%)	6 (13%)	7 (15%)	9 (20%)	6 (13%)	11 (22%)
Hyperplasia, Lymphoid	13 (28%)	16 (36%)	14 (29%)	20 (44%)	17 (36%)	19 (38%)
Inflammation, Chronic Active					1 (2%)	
Thymus	(37)	(39)	(43)	(38)	(43)	(48)
Atrophy	13 (35%)	19 (49%)	18 (42%)	21 (55%)	20 (47%)	25 (52%)
Cyst						1 (2%)
Hyperplasia, Lymphoid	2 (5%)	1 (3%)	2 (5%)	2 (5%)		3 (6%)
Infiltration Cellular, Plasma Cell						

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	AZT-H to 0	AZT-M to 0	AZT-L to 0	AZT-H/3TC-H to 0	AZT-M/3TC-M to 0	AZT-L/3TC-L to 0
Infiltration Cellular, Polymorphonuclear Inflammation, Chronic Active Necrosis						
<b>INTEGUMENTARY SYSTEM</b>						
Skin	(46)	(48)	(48)	(46)	(48)	(50)
Fibrosis			1 (2%)		1 (2%)	1 (2%)
Hemorrhage		1 (2%)				
Hyperkeratosis						
Inflammation, Suppurative	1 (2%)			1 (2%)		
Inflammation, Chronic Active			1 (2%)	1 (2%)	1 (2%)	
Metaplasia, Osseous					1 (2%)	
Mineralization	1 (2%)			1 (2%)		
Necrosis			1 (2%)			
Ulcer	2 (4%)			2 (4%)	1 (2%)	
Epithelium, Hyperplasia	1 (2%)		1 (2%)	1 (2%)		
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone	(0)	(0)	(1)	(0)	(0)	(0)
Skeletal Muscle	(3)	(4)	(1)	(0)	(1)	(0)
<b>NERVOUS SYSTEM</b>						
Brain, Cerebellum	(46)	(46)	(48)	(46)	(45)	(50)
Autolysis				1 (2%)		
Hemorrhage				1 (2%)		
Brain, Cerebrum	(46)	(46)	(48)	(45)	(45)	(50)
Degeneration					1 (2%)	
Gliosis					1 (2%)	
Mineralization	26 (57%)	25 (54%)	16 (33%)	18 (40%)	22 (49%)	29 (58%)
Polyarteritis						
<b>RESPIRATORY SYSTEM</b>						
Lung	(47)	(46)	(48)	(48)	(47)	(50)
Autolysis				1 (2%)		
Congestion	1 (2%)					
Crystals	3 (6%)				3 (6%)	4 (8%)
Hemorrhage		1 (2%)				1 (2%)
Infiltration Cellular, Histiocyte	3 (6%)		1 (2%)		5 (11%)	6 (12%)



C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	AZT-H to 0	AZT-M to 0	AZT-L to 0	AZT-H/3TC-H to 0	AZT-M/3TC-M to 0	AZT-L/3TC-L to 0
Infiltration Cellular, Lymphocyte Inflammation, Chronic Active Pigmentation		1 (2%)	1 (2%)	4 (8%)	5 (11%) 1 (2%)	3 (6%)
Alveolar Epithelium, Hyperplasia	1 (2%)	2 (4%)	4 (8%)		2 (4%)	1 (2%)
Nose Inflammation, Chronic Active	(47)	(48)	(48)	(46)	(46)	4 (8%) (51)
Mucosa, Dysplasia					1 (2%)	
Posterior To Upper Incisor, Dysplasia	1 (2%)	1 (2%)	4 (8%)		1 (2%)	6 (12%)
<b>SPECIAL SENSES SYSTEM</b>						
Eye	(45)	(43)	(48)	(43)	(45)	(50)
Cataract	1 (2%)		2 (4%)		1 (2%)	2 (4%)
Degeneration						
Bilateral, Cataract	1 (2%)				1 (2%)	1 (2%)
Cornea, Inflammation, Suppurative						1 (2%)
Cornea, Inflammation, Chronic Active	2 (4%)					
Cornea, Ulcer						1 (2%)
Retina, Degeneration	1 (2%)					1 (2%)
Harderian Gland	(45)	(45)	(48)	(45)	(45)	(50)
Cyst						1 (2%)
Cyst Multilocular						
Foreign Body						
Hyperplasia					1 (2%)	
Infiltration Cellular, Lymphocyte	3 (7%)	2 (4%)	8 (17%)	3 (7%)	5 (11%)	3 (6%)
Infiltration Cellular, Polymorphonuclear					1 (2%)	
Inflammation, Chronic Active			1 (2%)		1 (2%)	
Acinus, Degeneration			2 (4%)		1 (2%)	1 (2%)
<b>URINARY SYSTEM</b>						
Kidney	(46)	(45)	(48)	(44)	(46)	(50)
Amyloid Deposition						1 (2%)
Cyst	1 (2%)	3 (7%)	1 (2%)	2 (5%)	3 (7%)	
Fibrosis					1 (2%)	
Hyaline Droplet	1 (2%)	1 (2%)				
Infiltration Cellular, Lymphocyte	9 (20%)	7 (16%)	3 (6%)	5 (11%)	6 (13%)	3 (6%)
Inflammation, Suppurative				1 (2%)		
Inflammation, Chronic Active					1 (2%)	
Metaplasia, Osseous	3 (7%)	1 (2%)	2 (4%)			
Necrosis				1 (2%)		
Nephropathy	34 (74%)	31 (69%)	39 (81%)	33 (75%)	32 (70%)	42 (84%)
Polyarteritis		1 (2%)		1 (2%)		
Pelvis, Dilatation			1 (2%)		1 (2%)	

TDMS No. 20311 - 01

Test Type: CHRONIC

Route: IN-UTERO

Species/Strain: MICE/B6C3F1/NCTR

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

AZT/Drug Combinations Transplacental Carcinogenesis Study

CAS Number: AIDSTHERAPEU

Date Report Requested: 06/29/2009

Time Report Requested: 16:30:06

First Dose M/F: 07/10/03 / NA

Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	AZT-H to 0	AZT-M to 0	AZT-L to 0	AZT-H/3TC-H to 0	AZT-M/3TC-M to 0	AZT-L/3TC-L to 0
Urethra	(1)	(1)	(0)	(0)	(0)	(0)
Dilatation	1 (100%)					
Bulbourethral Gland, Cyst						
Bulbourethral Gland, Hemorrhage		1 (100%)				
Bulbourethral Gland, Necrosis						
Bulbourethral Gland, Epithelium, Hyperplasia		1 (100%)				
Urinary Bladder	(46)	(45)	(48)	(45)	(46)	(50)
Infiltration Cellular, Lymphocyte	3 (7%)	6 (13%)	2 (4%)	5 (11%)	5 (11%)	8 (16%)
Inflammation, Chronic Active					1 (2%)	
Polyarteritis						
Lumen, Dilatation	1 (2%)	3 (7%)	2 (4%)	1 (2%)	2 (4%)	2 (4%)

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	AZTH/3TCH/NVPH/0	AZTM/3TCM/NVPM/0	AZTL/3TCL/NVPL/0	AZTH/3TCH/NFVH/0	AZTM/3TCM/NFVM/0	AZTL/3TCL/NFVL/0
<b>Disposition Summary</b>						
Animals Initially in Study	50	48	48	15	51	48
Early Deaths						
Moribund Sacrifice	18	10	8	6	5	6
Natural Death	2	2	1	1	2	3
Survivors						
Moribund Sacrifice	5				5	1
Natural Death		1	1		1	
Terminal Sacrifice	25	35	37	6	36	37
Harvest			1	2	2	1
Animals Examined Microscopically	50	48	48	15	51	48

ALIMENTARY SYSTEM

Gallbladder	(47)	(44)	(45)	(13)	(47)	(45)
Vacuolization Cytoplasmic Epithelium, Hyperplasia						
Intestine Large, Cecum	(48)	(45)	(47)	(14)	(48)	(45)
Hyperplasia, Lymphoid		1 (2%)	6 (13%)	2 (14%)	2 (4%)	1 (2%)
Intestine Large, Colon	(48)	(45)	(47)	(14)	(48)	(45)
Hyperplasia, Lymphoid						
Inflammation, Chronic Active Ulcer						
Intestine Large, Rectum	(47)	(45)	(47)	(14)	(48)	(45)
Anus, Hemorrhage						
Anus, Inflammation, Chronic						
Anus, Necrosis						
Intestine Small, Duodenum	(48)	(45)	(47)	(14)	(48)	(45)
Hyperplasia, Lymphoid					1 (2%)	
Infiltration Cellular, Plasma Cell						
Infiltration Cellular, Polymorphonuclear			1 (2%)			
Inflammation, Chronic Active						
Epithelium, Hyperplasia			1 (2%)			
Intestine Small, Ileum	(48)	(45)	(47)	(14)	(48)	(45)
Hyperplasia, Lymphoid	1 (2%)				1 (2%)	
Infiltration Cellular, Polymorphonuclear			1 (2%)			
Inflammation, Suppurative			1 (2%)			
Inflammation, Chronic Active		1 (2%)				
Intestine Small, Jejunum	(48)	(45)	(47)	(14)	(48)	(45)
Hyperplasia, Lymphoid		1 (2%)	1 (2%)	1 (7%)		
Inflammation, Chronic Active						
Liver	(48)	(47)	(48)	(15)	(50)	(48)

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	AZTH/3TCH/NVPH/0	AZTM/3TCM/NVPM/0	AZTL/3TCL/NVPL/0	AZTH/3TCH/NFVH/0	AZTM/3TCM/NFVM/0	AZTL/3TCL/NFVL/0
Angiectasis						
Basophilic Focus	4 (8%)	5 (11%)	5 (10%)		3 (6%)	2 (4%)
Basophilic Focus, Multiple	1 (2%)		1 (2%)			1 (2%)
Cholangiofibrosis			1 (2%)			
Clear Cell Focus					2 (4%)	
Clear Cell Focus, Multiple					1 (2%)	
Cyst						
Cyst Multilocular	1 (2%)					
Eosinophilic Focus		2 (4%)	4 (8%)	1 (7%)	1 (2%)	2 (4%)
Eosinophilic Focus, Multiple						
Fatty Change						
Fibrosis						1 (2%)
Focal Cellular Change			1 (2%)			
Hematopoietic Cell Proliferation						
Hepatodiaphragmatic Nodule		1 (2%)				
Infiltration Cellular, Lymphocyte	1 (2%)	4 (9%)	3 (6%)	3 (20%)	3 (6%)	6 (13%)
Inflammation, Chronic	1 (2%)					
Inflammation, Chronic Active			1 (2%)		2 (4%)	3 (6%)
Mineralization						
Mixed Cell Focus					1 (2%)	
Necrosis	2 (4%)		1 (2%)		2 (4%)	2 (4%)
Tension Lipidosis	8 (17%)	11 (23%)	10 (21%)		7 (14%)	13 (27%)
Vacuolization Cytoplasmic	2 (4%)	1 (2%)	2 (4%)		1 (2%)	2 (4%)
Oval Cell, Hyperplasia			1 (2%)			
Mesentery	(1)	(0)	(1)	(0)	(2)	(0)
Hemorrhage						
Necrosis	1 (100%)					
Fat, Necrosis					1 (50%)	
Pancreas	(48)	(45)	(47)	(15)	(49)	(45)
Cyst			1 (2%)			
Cytoplasmic Alteration			1 (2%)			
Edema			1 (2%)			
Fibrosis					1 (2%)	1 (2%)
Infiltration Cellular, Lymphocyte	7 (15%)	4 (9%)	3 (6%)	1 (7%)	6 (12%)	4 (9%)
Inflammation, Chronic Active			1 (2%)		1 (2%)	2 (4%)
Acinus, Degeneration	2 (4%)	3 (7%)	5 (11%)	2 (13%)	4 (8%)	5 (11%)
Salivary Glands	(48)	(45)	(47)	(15)	(50)	(46)
Fibrosis						
Infiltration Cellular, Lymphocyte	38 (79%)	35 (78%)	39 (83%)	11 (73%)	40 (80%)	38 (83%)
Inflammation, Chronic Active						1 (2%)
Mineralization	1 (2%)					
Stomach, Forestomach	(48)	(45)	(48)	(15)	(50)	(45)
Cyst Epithelial Inclusion						1 (2%)
Hyperkeratosis			1 (2%)			
Hyperplasia						
Inflammation, Chronic Active						

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	AZTH/3TCH/NVPH/0	AZTM/3TCM/NVPM/0	AZTL/3TCL/NVPL/0	AZTH/3TCH/NFVH/0	AZTM/3TCM/NFVM/0	AZTL/3TCL/NFVL/0
Ulcer Epithelium, Hyperplasia	3 (6%)		1 (2%) 2 (4%)		1 (2%)	
Stomach, Glandular Degeneration	(47)	(45)	(47)	(14)	(48)	(45) 1 (2%)
Infiltration Cellular, Polymorphonuclear Inflammation, Suppurative			2 (4%)			
Inflammation, Chronic Active Necrosis			1 (2%)	1 (7%)		1 (2%)
Ulcer Epithelium, Hyperplasia	3 (6%)		1 (2%)	1 (7%)	1 (2%)	
Glands, Hyperplasia Tongue	(0)	(0)	(0)	(0)	(0)	(0)
<b>CARDIOVASCULAR SYSTEM</b>						
Blood Vessel Hemorrhage Polyarteritis	(48)	(47)	(47)	(15)	(50)	(48)
Heart Cardiomyopathy Inflammation	(48)	(47)	(47)	1 (7%) (15)	(50)	(48) 1 (2%)
Inflammation, Chronic Active Necrosis Polyarteritis	1 (2%)			1 (7%)		1 (2%)
Ventricle, Dilatation						1 (2%)
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex Accessory Adrenal Cortical Nodule Cyst Depletion Hyperplasia Hypertrophy	(47) 3 (6%) 1 (2%) 1 (2%)	(45) 4 (9%)	(47) 1 (2%)	(15)	(49)	(45) 1 (2%)
Inflammation, Chronic Active Subcapsular, Hyperplasia	1 (2%) 33 (70%)	2 (4%) 37 (82%)	3 (6%) 1 (2%) 38 (81%)	12 (80%) (13)	2 (4%) (47)	4 (9%) 1 (2%) 36 (80%)
Adrenal Medulla Hyperplasia	(46) 1 (2%)	(44)	(46)		1 (2%)	(44)
Islets, Pancreatic Hyperplasia	(48)	(45)	(47)	(15)	(50)	(45)
Parathyroid Gland Cyst Infiltration Cellular, Lymphocyte	(34)	(33)	(38) 1 (3%)	1 (7%) (13)	9 (18%) (40)	6 (13%) (38)
Pituitary Gland	(48)	(44)	(46)	(15)	(50)	(46)

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	AZTH/3TCH/NVPH/0	AZTM/3TCM/NVPM/0	AZTL/3TCL/NVPL/0	AZTH/3TCH/NFVH/0	AZTM/3TCM/NFVM/0	AZTL/3TCL/NFVL/0
Pars Distalis, Cyst			2 (4%)		2 (4%)	1 (2%)
Pars Distalis, Hyperplasia	1 (2%)	2 (5%)	1 (2%)		1 (2%)	2 (4%)
Thyroid Gland	(48)	(45)	(48)	(15)	(50)	(46)
Depletion						
Ectopic Thymus			1 (2%)			
Infiltration Cellular, Lymphocyte	1 (2%)		2 (4%)	1 (7%)	1 (2%)	1 (2%)
Inflammation, Chronic Active						
Polyarteritis				1 (7%)		
Follicle, Cyst	1 (2%)			1 (7%)		2 (4%)
Follicle, Degeneration	2 (4%)	3 (7%)	5 (10%)	2 (13%)	6 (12%)	1 (2%)
Follicular Cell, Hyperplasia					1 (2%)	
<b>GENERAL BODY SYSTEM</b>						
Tissue NOS	(0)	(0)	(2)	(2)	(1)	(2)
Abdominal, Fibrosis			1 (50%)			
Abdominal, Infiltration Cellular, Polymorphonuclear			1 (50%)			
Abdominal, Inflammation, Granulomatous			1 (50%)			
Abdominal, Inflammation, Chronic Active			1 (50%)			
<b>GENITAL SYSTEM</b>						
Coagulating Gland	(0)	(1)	(1)	(0)	(0)	(1)
Lumen, Dilatation		1 (100%)	1 (100%)			1 (100%)
Epididymis	(48)	(45)	(47)	(15)	(50)	(45)
Atrophy			1 (2%)			
Fibrosis			1 (2%)			
Hypospermia	1 (2%)	1 (2%)	2 (4%)	1 (7%)	1 (2%)	1 (2%)
Infiltration Cellular, Lymphocyte		3 (7%)	4 (9%)		1 (2%)	2 (4%)
Inflammation, Chronic			1 (2%)			
Inflammation, Chronic Active		1 (2%)	1 (2%)			1 (2%)
Mineralization		1 (2%)				
Polyarteritis				1 (7%)		
Spermatocele		1 (2%)	2 (4%)			
Duct, Degeneration		1 (2%)				
Preputial Gland	(48)	(44)	(48)	(15)	(50)	(47)
Cyst	5 (10%)	8 (18%)	3 (6%)	2 (13%)	4 (8%)	2 (4%)
Degeneration	14 (29%)	22 (50%)	27 (56%)	6 (40%)	20 (40%)	21 (45%)
Infiltration Cellular, Lymphocyte	1 (2%)		3 (6%)			2 (4%)
Inflammation, Suppurative		1 (2%)	3 (6%)			
Inflammation, Chronic Active	2 (4%)	3 (7%)	2 (4%)	1 (7%)	7 (14%)	2 (4%)
Bilateral, Cyst					1 (2%)	
Duct, Dilatation						

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	AZTH/3TCH/NVPH/0	AZTM/3TCM/NVPM/0	AZTL/3TCL/NVPL/0	AZTH/3TCH/NFVH/0	AZTM/3TCM/NFVM/0	AZTL/3TCL/NFVL/0
Fat, Degeneration						
Fat, Necrosis						
Prostate	(48)	(43)	(47)	(15)	(48)	(44)
Dilatation					2 (4%)	
Infiltration Cellular, Lymphocyte	3 (6%)	2 (5%)	4 (9%)	3 (20%)	9 (19%)	3 (7%)
Inflammation, Suppurative			1 (2%)			
Inflammation, Chronic Active						1 (2%)
Polyarthritis				1 (7%)		
Seminal Vesicle	(49)	(45)	(48)	(15)	(49)	(46)
Amyloid Deposition			1 (2%)			
Atrophy	1 (2%)		1 (2%)			1 (2%)
Infiltration Cellular, Lymphocyte						
Inflammation, Chronic Active			1 (2%)			1 (2%)
Lumen, Dilatation	3 (6%)	1 (2%)	7 (15%)		3 (6%)	5 (11%)
Testes	(49)	(45)	(47)	(15)	(49)	(45)
Mineralization	1 (2%)					
Seminiferous Tubule, Degeneration	4 (8%)	7 (16%)	10 (21%)	2 (13%)	6 (12%)	3 (7%)

HEMATOPOIETIC SYSTEM

Bone Marrow	(48)	(45)	(48)	(15)	(50)	(45)
Fibrosis						
Hyperplasia	3 (6%)	1 (2%)		1 (7%)	2 (4%)	
Pigmentation			1 (2%)			
Lymph Node	(6)	(2)	(3)	(3)	(3)	(4)
Hemorrhage					1 (33%)	
Axillary, Hyperplasia, Lymphoid		1 (50%)	1 (33%)			
Axillary, Infiltration Cellular, Histiocyte						
Axillary, Infiltration Cellular, Plasma Cell			1 (33%)			
Axillary, Infiltration Cellular, Polymorphonuclear			1 (33%)			
Inguinal, Hyperplasia, Lymphoid	2 (33%)	1 (50%)	1 (33%)	1 (33%)	1 (33%)	
Inguinal, Infiltration Cellular, Plasma Cell			1 (33%)			
Inguinal, Infiltration Cellular, Polymorphonuclear			1 (33%)			
Inguinal, Pigmentation	1 (17%)					
Lumbar, Hemorrhage						
Lumbar, Hyperplasia, Lymphoid	1 (17%)	1 (50%)	1 (33%)			
Lumbar, Infiltration Cellular, Plasma Cell			1 (33%)			
Mediastinal, Hyperplasia, Lymphoid						
Mediastinal, Infiltration Cellular, Histiocyte						
Mediastinal, Inflammation, Chronic Active						1 (25%)
Pancreatic, Hyperplasia, Lymphoid						
Pancreatic, Infiltration Cellular, Histiocyte						
Pancreatic, Sinus, Dilatation						

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	AZTH/3TCH/NVPH/0	AZTM/3TCM/NVPM/0	AZTL/3TCL/NVPL/0	AZTH/3TCH/NFVH/0	AZTM/3TCM/NFVM/0	AZTL/3TCL/NFVL/0
Renal, Hemorrhage						
Renal, Hyperplasia, Lymphoid		1 (50%)	1 (33%)		1 (33%)	
Renal, Infiltration Cellular, Histiocyte						
Renal, Infiltration Cellular, Plasma Cell			1 (33%)			
Renal, Infiltration Cellular, Polymorphonuclear			1 (33%)			
Renal, Inflammation, Chronic Active						1 (25%)
Lymph Node, Mandibular	(47)	(45)	(46)	(14)	(49)	(46)
Hemorrhage		1 (2%)				
Hyperplasia, Lymphoid	4 (9%)	13 (29%)	10 (22%)	2 (14%)	10 (20%)	4 (9%)
Hyperplasia, Plasma Cell						
Infiltration Cellular, Mast Cell						
Infiltration Cellular, Plasma Cell		2 (4%)	3 (7%)			2 (4%)
Infiltration Cellular, Polymorphonuclear			1 (2%)			
Inflammation, Chronic Active						1 (2%)
Necrosis	1 (2%)					
Pigmentation	1 (2%)					
Lymph Node, Mesenteric	(48)	(45)	(46)	(14)	(48)	(46)
Angiectasis	6 (13%)	11 (24%)	10 (22%)	4 (29%)	12 (25%)	6 (13%)
Fibrosis						1 (2%)
Hematopoietic Cell Proliferation			1 (2%)			
Hemorrhage	15 (31%)	13 (29%)	13 (28%)	1 (7%)	16 (33%)	11 (24%)
Hyperplasia, Lymphoid	19 (40%)	21 (47%)	29 (63%)	6 (43%)	31 (65%)	25 (54%)
Infiltration Cellular, Histiocyte	1 (2%)	2 (4%)	2 (4%)		3 (6%)	1 (2%)
Infiltration Cellular, Mast Cell	1 (2%)				1 (2%)	1 (2%)
Infiltration Cellular, Plasma Cell	2 (4%)	1 (2%)	3 (7%)	2 (14%)	3 (6%)	1 (2%)
Infiltration Cellular, Polymorphonuclear	1 (2%)		2 (4%)			
Inflammation, Granulomatous						1 (2%)
Inflammation, Chronic Active			1 (2%)			1 (2%)
Necrosis	1 (2%)					
Polyarteritis				1 (7%)		
Thrombosis		1 (2%)			1 (2%)	
Sinus, Dilatation	5 (10%)	5 (11%)	8 (17%)		5 (10%)	8 (17%)
Spleen	(48)	(45)	(47)	(15)	(49)	(45)
Accessory Spleen					1 (2%)	
Angiectasis						
Atrophy	1 (2%)					
Congestion						
Depletion Lymphoid			1 (2%)			
Hematopoietic Cell Proliferation	12 (25%)	8 (18%)	7 (15%)	8 (53%)	10 (20%)	5 (11%)
Hyperplasia, Lymphoid	20 (42%)	20 (44%)	20 (43%)	4 (27%)	24 (49%)	21 (47%)
Inflammation, Chronic Active						1 (2%)
Thymus	(38)	(37)	(39)	(12)	(44)	(35)
Atrophy	17 (45%)	19 (51%)	18 (46%)	8 (67%)	14 (32%)	15 (43%)
Cyst						
Hyperplasia, Lymphoid	1 (3%)					
Infiltration Cellular, Plasma Cell			1 (3%)			



C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	AZTH/3TCH/NVPH/0	AZTM/3TCM/NVPM/0	AZTL/3TCL/NVPL/0	AZTH/3TCH/NFVH/0	AZTM/3TCM/NFVM/0	AZTL/3TCL/NFVL/0
Infiltration Cellular, Polymorphonuclear Inflammation, Chronic Active Necrosis			1 (3%) 1 (3%)			
<b>INTEGUMENTARY SYSTEM</b>						
Skin	(48)	(48)	(47)	(15)	(51)	(48)
Fibrosis	2 (4%)		2 (4%)		1 (2%)	1 (2%)
Hemorrhage						
Hyperkeratosis						
Inflammation, Suppurative	2 (4%)					1 (2%)
Inflammation, Chronic Active	3 (6%)	1 (2%)		1 (7%)	1 (2%)	
Metaplasia, Osseous						
Mineralization						
Necrosis				1 (7%)		
Ulcer	5 (10%)					1 (2%)
Epithelium, Hyperplasia	2 (4%)	1 (2%)			1 (2%)	
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone	(0)	(0)	(0)	(0)	(0)	(1)
Skeletal Muscle	(0)	(0)	(0)	(0)	(1)	(0)
<b>NERVOUS SYSTEM</b>						
Brain, Cerebellum	(48)	(47)	(47)	(15)	(50)	(46)
Autolysis						
Hemorrhage						
Brain, Cerebrum	(48)	(47)	(47)	(15)	(50)	(46)
Degeneration						
Gliosis						
Mineralization	15 (31%)	27 (57%)	20 (43%)	3 (20%)	17 (34%)	23 (50%)
Polyarteritis				1 (7%)		
<b>RESPIRATORY SYSTEM</b>						
Lung	(48)	(45)	(47)	(15)	(50)	(47)
Autolysis						
Congestion					1 (2%)	
Crystals		1 (2%)	1 (2%)	1 (7%)	2 (4%)	2 (4%)
Hemorrhage						
Infiltration Cellular, Histiocyte		1 (2%)		2 (13%)	2 (4%)	2 (4%)

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	AZTH/3TCH/NVPH/0	AZTM/3TCM/NVPM/0	AZTL/3TCL/NVPL/0	AZTH/3TCH/NFVH/0	AZTM/3TCM/NFVM/0	AZTL/3TCL/NFVL/0
Infiltration Cellular, Lymphocyte Inflammation, Chronic Active Pigmentation	3 (6%)	2 (4%)	2 (4%) 1 (2%)	3 (20%)	3 (6%)	4 (9%) 1 (2%)
Alveolar Epithelium, Hyperplasia Nose Inflammation, Chronic Active Mucosa, Dysplasia Posterior To Upper Incisor, Dysplasia	1 (2%) (49)	2 (4%) (46)	2 (4%) (47)	2 (13%) (15)	1 (2%) (51)	(47) 4 (9%)
<b>SPECIAL SENSES SYSTEM</b>						
Eye Cataract Degeneration Bilateral, Cataract Cornea, Inflammation, Suppurative Cornea, Inflammation, Chronic Active Cornea, Ulcer Retina, Degeneration	(48)	(45)	(47) 2 (4%)	(14)	(49)	(45)
Harderian Gland Cyst Cyst Multilocular Foreign Body Hyperplasia Infiltration Cellular, Lymphocyte Infiltration Cellular, Polymorphonuclear Inflammation, Chronic Active Acinus, Degeneration	(48) 1 (2%)	(45)	(47)	(14)	(50)	(45)
	9 (19%)	2 (4%)	1 (2%)	3 (21%)	4 (8%)	3 (7%)
			1 (2%) 1 (2%)	2 (14%)	1 (2%) 1 (2%)	2 (4%)
<b>URINARY SYSTEM</b>						
Kidney Amyloid Deposition Cyst Fibrosis Hyaline Droplet Infiltration Cellular, Lymphocyte Inflammation, Suppurative Inflammation, Chronic Active Metaplasia, Osseous Necrosis Nephropathy Polyarteritis Pelvis, Dilatation	(48) 3 (6%)	(45) 3 (7%)	(47) 1 (2%) 1 (2%)	(14)	(49)	(46)
	7 (15%)	9 (20%)	2 (4%)	1 (7%)	3 (6%)	5 (11%)
			1 (2%)			2 (4%)
				1 (7%)	1 (2%)	3 (7%)
	32 (67%)	31 (69%)	38 (81%)	12 (86%) 1 (7%)	41 (84%)	35 (76%)
		1 (2%)	1 (2%)			1 (2%)

TDMS No. 20311 - 01

Test Type: CHRONIC

Route: IN-UTERO

Species/Strain: MICE/B6C3F1/NCTR

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

AZT/Drug Combinations Transplacental Carcinogenesis Study

CAS Number: AIDSTHERAPEU

Date Report Requested: 06/29/2009

Time Report Requested: 16:30:06

First Dose M/F: 07/10/03 / NA

Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	AZTH/3TCH/NVPH/0	AZTM/3TCM/NVPM/0	AZTL/3TCL/NVPL/0	AZTH/3TCH/NFVH/0	AZTM/3TCM/NFVM/0	AZTL/3TCL/NFVL/0
Urethra	(0)	(0)	(0)	(0)	(0)	(2)
Dilatation						
Bulbourethral Gland, Cyst						
Bulbourethral Gland, Hemorrhage						1 (50%)
Bulbourethral Gland, Necrosis						
Bulbourethral Gland, Epithelium, Hyperplasia						
Urinary Bladder	(48)	(46)	(47)	(15)	(50)	(46)
Infiltration Cellular, Lymphocyte	7 (15%)	11 (24%)	7 (15%)	2 (13%)	4 (8%)	2 (4%)
Inflammation, Chronic Active			1 (2%)			
Polyarteritis				1 (7%)		
Lumen, Dilatation	3 (6%)	1 (2%)	1 (2%)	2 (13%)	5 (10%)	2 (4%)

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE

SOLVENT to 0

### Disposition Summary

Animals Initially in Study	65
Early Deaths	
Moribund Sacrifice	4
Natural Death	2
Survivors	
Moribund Sacrifice	10
Natural Death	1
Terminal Sacrifice	46
Harvest	2
Animals Examined Microscopically	65

### ALIMENTARY SYSTEM

Gallbladder	(59)
Vacuolization Cytoplasmic Epithelium, Hyperplasia	1 (2%)
Intestine Large, Cecum	(63)
Hyperplasia, Lymphoid	6 (10%)
Intestine Large, Colon	(63)
Hyperplasia, Lymphoid	
Inflammation, Chronic Active Ulcer	
Intestine Large, Rectum	(63)
Anus, Hemorrhage	
Anus, Inflammation, Chronic	
Anus, Necrosis	
Intestine Small, Duodenum	(63)
Hyperplasia, Lymphoid	
Infiltration Cellular, Plasma Cell	
Infiltration Cellular, Polymorphonuclear	
Inflammation, Chronic Active	
Epithelium, Hyperplasia	
Intestine Small, Ileum	(63)
Hyperplasia, Lymphoid	
Infiltration Cellular, Polymorphonuclear	
Inflammation, Suppurative	
Inflammation, Chronic Active	
Intestine Small, Jejunum	(62)
Hyperplasia, Lymphoid	2 (3%)
Inflammation, Chronic Active	
Liver	(65)

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	SOLVENT to 0
Angiectasis	
Basophilic Focus	7 (11%)
Basophilic Focus, Multiple	
Cholangiofibrosis	
Clear Cell Focus	1 (2%)
Clear Cell Focus, Multiple	
Cyst	1 (2%)
Cyst Multilocular	
Eosinophilic Focus	1 (2%)
Eosinophilic Focus, Multiple	
Fatty Change	
Fibrosis	
Focal Cellular Change	
Hematopoietic Cell Proliferation	
Hepatodiaphragmatic Nodule	
Infiltration Cellular, Lymphocyte	3 (5%)
Inflammation, Chronic	
Inflammation, Chronic Active	
Mineralization	
Mixed Cell Focus	
Necrosis	
Tension Lipidosis	12 (18%)
Vacuolization Cytoplasmic	2 (3%)
Oval Cell, Hyperplasia	
Mesentery	(4)
Hemorrhage	1 (25%)
Necrosis	1 (25%)
Fat, Necrosis	1 (25%)
Pancreas	(64)
Cyst	2 (3%)
Cytoplasmic Alteration	
Edema	
Fibrosis	
Infiltration Cellular, Lymphocyte	7 (11%)
Inflammation, Chronic Active	
Acinus, Degeneration	6 (9%)
Salivary Glands	(64)
Fibrosis	
Infiltration Cellular, Lymphocyte	54 (84%)
Inflammation, Chronic Active	
Mineralization	
Stomach, Forestomach	(64)
Cyst Epithelial Inclusion	
Hyperkeratosis	
Hyperplasia	
Inflammation, Chronic Active	

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	SOLVENT to 0
Ulcer	2 (3%)
Epithelium, Hyperplasia	2 (3%)
Stomach, Glandular	(63)
Degeneration	1 (2%)
Infiltration Cellular, Polymorphonuclear	
Inflammation, Suppurative	
Inflammation, Chronic Active	2 (3%)
Necrosis	
Ulcer	
Epithelium, Hyperplasia	1 (2%)
Glands, Hyperplasia	
Tongue	(0)
<b>CARDIOVASCULAR SYSTEM</b>	
Blood Vessel	(65)
Hemorrhage	
Polyarteritis	1 (2%)
Heart	(65)
Cardiomyopathy	1 (2%)
Inflammation	1 (2%)
Inflammation, Chronic Active	
Necrosis	
Polyarteritis	2 (3%)
Ventricle, Dilatation	
<b>ENDOCRINE SYSTEM</b>	
Adrenal Cortex	(63)
Accessory Adrenal Cortical Nodule	1 (2%)
Cyst	1 (2%)
Depletion	
Hyperplasia	
Hypertrophy	6 (10%)
Inflammation, Chronic Active	
Subcapsular, Hyperplasia	47 (75%)
Adrenal Medulla	(63)
Hyperplasia	
Islets, Pancreatic	(65)
Hyperplasia	7 (11%)
Parathyroid Gland	(52)
Cyst	
Infiltration Cellular, Lymphocyte	
Pituitary Gland	(61)

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	SOLVENT to 0
Pars Distalis, Cyst	
Pars Distalis, Hyperplasia	2 (3%)
Thyroid Gland	(64)
Depletion	
Ectopic Thymus	
Infiltration Cellular, Lymphocyte	3 (5%)
Inflammation, Chronic Active	
Polyarteritis	
Follicle, Cyst	1 (2%)
Follicle, Degeneration	10 (16%)
Follicular Cell, Hyperplasia	
<b>GENERAL BODY SYSTEM</b>	
Tissue NOS	(1)
Abdominal, Fibrosis	
Abdominal, Infiltration Cellular, Polymorphonuclear	
Abdominal, Inflammation, Granulomatous	
Abdominal, Inflammation, Chronic Active	
<b>GENITAL SYSTEM</b>	
Coagulating Gland	(2)
Lumen, Dilatation	2 (100%)
Epididymis	(63)
Atrophy	
Fibrosis	
Hypospermia	2 (3%)
Infiltration Cellular, Lymphocyte	3 (5%)
Inflammation, Chronic	
Inflammation, Chronic Active	1 (2%)
Mineralization	
Polyarteritis	
Spermatocele	1 (2%)
Duct, Degeneration	1 (2%)
Preputial Gland	(64)
Cyst	4 (6%)
Degeneration	32 (50%)
Infiltration Cellular, Lymphocyte	1 (2%)
Inflammation, Suppurative	
Inflammation, Chronic Active	6 (9%)
Bilateral, Cyst	
Duct, Dilatation	

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C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	SOLVENT to 0
Fat, Degeneration	
Fat, Necrosis	
Prostate	(64)
Dilatation	
Infiltration Cellular, Lymphocyte	9 (14%)
Inflammation, Suppurative	
Inflammation, Chronic Active	
Polyarteritis	1 (2%)
Seminal Vesicle	(63)
Amyloid Deposition	
Atrophy	1 (2%)
Infiltration Cellular, Lymphocyte	
Inflammation, Chronic Active	
Lumen, Dilatation	8 (13%)
Testes	(64)
Mineralization	
Seminiferous Tubule, Degeneration	7 (11%)

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HEMATOPOIETIC SYSTEM

Bone Marrow	(64)
Fibrosis	
Hyperplasia	6 (9%)
Pigmentation	
Lymph Node	(7)
Hemorrhage	
Axillary, Hyperplasia, Lymphoid	
Axillary, Infiltration Cellular, Histiocyte	
Axillary, Infiltration Cellular, Plasma Cell	
Axillary, Infiltration Cellular,	
Polymorphonuclear	
Inguinal, Hyperplasia, Lymphoid	
Inguinal, Infiltration Cellular, Plasma Cell	
Inguinal, Infiltration Cellular,	
Polymorphonuclear	
Inguinal, Pigmentation	
Lumbar, Hemorrhage	1 (14%)
Lumbar, Hyperplasia, Lymphoid	3 (43%)
Lumbar, Infiltration Cellular, Plasma Cell	
Mediastinal, Hyperplasia, Lymphoid	2 (29%)
Mediastinal, Infiltration Cellular, Histiocyte	1 (14%)
Mediastinal, Inflammation, Chronic Active	
Pancreatic, Hyperplasia, Lymphoid	1 (14%)
Pancreatic, Infiltration Cellular, Histiocyte	1 (14%)
Pancreatic, Sinus, Dilatation	1 (14%)



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**C57BL/6N XC3H/HEN MTV-NCTR MICE MALE SOLVENT to 0**


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Renal, Hemorrhage	1 (14%)
Renal, Hyperplasia, Lymphoid	2 (29%)
Renal, Infiltration Cellular, Histiocyte	1 (14%)
Renal, Infiltration Cellular, Plasma Cell	
Renal, Infiltration Cellular, Polymorphonuclear	
Renal, Inflammation, Chronic Active	
Lymph Node, Mandibular	(63)
Hemorrhage	
Hyperplasia, Lymphoid	9 (14%)
Hyperplasia, Plasma Cell	1 (2%)
Infiltration Cellular, Mast Cell	
Infiltration Cellular, Plasma Cell	1 (2%)
Infiltration Cellular, Polymorphonuclear	
Inflammation, Chronic Active	
Necrosis	
Pigmentation	
Lymph Node, Mesenteric	(63)
Angiectasis	10 (16%)
Fibrosis	
Hematopoietic Cell Proliferation	
Hemorrhage	19 (30%)
Hyperplasia, Lymphoid	37 (59%)
Infiltration Cellular, Histiocyte	4 (6%)
Infiltration Cellular, Mast Cell	1 (2%)
Infiltration Cellular, Plasma Cell	2 (3%)
Infiltration Cellular, Polymorphonuclear	1 (2%)
Inflammation, Granulomatous	
Inflammation, Chronic Active	
Necrosis	
Polyarteritis	
Thrombosis	1 (2%)
Sinus, Dilatation	8 (13%)
Spleen	(63)
Accessory Spleen	
Angiectasis	1 (2%)
Atrophy	
Congestion	
Depletion Lymphoid	
Hematopoietic Cell Proliferation	11 (17%)
Hyperplasia, Lymphoid	30 (48%)
Inflammation, Chronic Active	
Thymus	(51)
Atrophy	23 (45%)
Cyst	
Hyperplasia, Lymphoid	
Infiltration Cellular, Plasma Cell	

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE

SOLVENT to 0

Infiltration Cellular, Polymorphonuclear  
 Inflammation, Chronic Active  
 Necrosis

INTEGUMENTARY SYSTEM

Skin	(65)
Fibrosis	
Hemorrhage	
Hyperkeratosis	1 (2%)
Inflammation, Suppurative	1 (2%)
Inflammation, Chronic Active	1 (2%)
Metaplasia, Osseous	
Mineralization	1 (2%)
Necrosis	
Ulcer	
Epithelium, Hyperplasia	

MUSCULOSKELETAL SYSTEM

Bone	(0)
Skeletal Muscle	(0)

NERVOUS SYSTEM

Brain, Cerebellum	(64)
Autolysis	
Hemorrhage	
Brain, Cerebrum	(64)
Degeneration	
Gliosis	
Mineralization	35 (55%)
Polyarteritis	

RESPIRATORY SYSTEM

Lung	(64)
Autolysis	
Congestion	1 (2%)
Crystals	3 (5%)
Hemorrhage	
Infiltration Cellular, Histiocyte	3 (5%)

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C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	SOLVENT to 0
Infiltration Cellular, Lymphocyte	3 (5%)
Inflammation, Chronic Active	1 (2%)
Pigmentation	
Alveolar Epithelium, Hyperplasia	4 (6%)
Nose	(65)
Inflammation, Chronic Active	
Mucosa, Dysplasia	
Posterior To Upper Incisor, Dysplasia	2 (3%)

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SPECIAL SENSES SYSTEM

Eye	(62)
Cataract	1 (2%)
Degeneration	
Bilateral, Cataract	1 (2%)
Cornea, Inflammation, Suppurative	
Cornea, Inflammation, Chronic Active	
Cornea, Ulcer	
Retina, Degeneration	
Harderian Gland	(64)
Cyst	
Cyst Multilocular	
Foreign Body	
Hyperplasia	
Infiltration Cellular, Lymphocyte	5 (8%)
Infiltration Cellular, Polymorphonuclear	
Inflammation, Chronic Active	1 (2%)
Acinus, Degeneration	

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URINARY SYSTEM

Kidney	(64)
Amyloid Deposition	
Cyst	3 (5%)
Fibrosis	
Hyaline Droplet	
Infiltration Cellular, Lymphocyte	6 (9%)
Inflammation, Suppurative	
Inflammation, Chronic Active	
Metaplasia, Osseous	
Necrosis	
Nephropathy	54 (84%)
Polyarteritis	1 (2%)
Pelvis, Dilatation	

TDMS No. 20311 - 01

Test Type: CHRONIC

Route: IN-UTERO

Species/Strain: MICE/B6C3F1/NCTR

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

AZT/Drug Combinations Transplacental Carcinogenesis Study

CAS Number: AIDSTHERAPEU

Date Report Requested: 06/29/2009

Time Report Requested: 16:30:06

First Dose M/F: 07/10/03 / NA

Lab: NCTR

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C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	SOLVENT to 0
Urethra	(1)
Dilatation	
Bulbourethral Gland, Cyst	1 (100%)
Bulbourethral Gland, Hemorrhage	1 (100%)
Bulbourethral Gland, Necrosis	1 (100%)
Bulbourethral Gland, Epithelium, Hyperplasia	
Urinary Bladder	(65)
Infiltration Cellular, Lymphocyte	3 (5%)
Inflammation, Chronic Active	
Polyarteritis	
Lumen, Dilatation	6 (9%)

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

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