

**TDMS No.** 20311 - 02

**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:** 16:30:20

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

**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:** Female

**TDMSE Version:** 2.1.0

C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	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	47	48	48	51	48
Early Deaths						
Moribund Sacrifice	8	7	3	4	8	9
Natural Death	2	1	3	3	2	3
Survivors						
Moribund Sacrifice		3	2	1	2	2
Natural Death		1			1	
Terminal Sacrifice	37	28	38	35	35	32
Harvest	1	7	2	5	3	2
Animals Examined Microscopically	48	47	47	48	51	48

ALIMENTARY SYSTEM

Esophagus	(47)	(47)	(46)	(48)	(50)	(47)
Gallbladder	(46)	(45)	(44)	(46)	(48)	(45)
Cyst		1 (2%)	2 (5%)			
Degeneration, Hyaline						
Infiltration Cellular, Lymphocyte			1 (2%)			1 (2%)
Inflammation, Chronic		1 (2%)				
Intestine Large, Cecum	(46)	(46)	(46)	(46)	(49)	(46)
Hyperplasia, Lymphoid	2 (4%)		2 (4%)	1 (2%)	2 (4%)	1 (2%)
Serosa, Hyperplasia						
Intestine Large, Colon	(46)	(46)	(46)	(46)	(50)	(46)
Intestine Large, Rectum	(46)	(46)	(46)	(46)	(50)	(46)
Hyperplasia, Lymphoid				1 (2%)		1 (2%)
Intestine Small, Duodenum	(46)	(47)	(45)	(45)	(49)	(45)
Diverticulum			1 (2%)			
Intestine Small, Ileum	(46)	(46)	(46)	(46)	(50)	(46)
Hyperplasia, Lymphoid	1 (2%)		2 (4%)			1 (2%)
Inflammation, Chronic Active						
Intestine Small, Jejunum	(46)	(45)	(46)	(46)	(48)	(46)
Hyperplasia, Lymphoid	1 (2%)		1 (2%)			
Epithelium, Hyperplasia						
Liver	(47)	(46)	(46)	(48)	(50)	(47)
Angiectasis		1 (2%)			1 (2%)	
Autolysis						
Basophilic Focus	2 (4%)	2 (4%)	3 (7%)	7 (15%)	3 (6%)	2 (4%)
Basophilic Focus, Multiple					1 (2%)	
Clear Cell Focus				1 (2%)	2 (4%)	
Congestion	1 (2%)				1 (2%)	
Cyst						

C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	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
Cyst Multilocular Deformity		1 (2%)				
Eosinophilic Focus	2 (4%)	1 (2%)		2 (4%)	1 (2%)	1 (2%)
Eosinophilic Focus, Multiple			1 (2%)			
Fatty Change						
Hematocyst					1 (2%)	
Hematopoietic Cell Proliferation	1 (2%)	2 (4%)			1 (2%)	
Hemorrhage	1 (2%)					
Hepatodiaphragmatic Nodule				1 (2%)		
Infiltration Cellular, Histiocyte						
Infiltration Cellular, Lymphocyte	13 (28%)	13 (28%)	12 (26%)	13 (27%)	17 (34%)	10 (21%)
Inflammation, Chronic Active	2 (4%)	2 (4%)	3 (7%)	2 (4%)	2 (4%)	2 (4%)
Mineralization						
Mixed Cell Focus		2 (4%)	1 (2%)	1 (2%)	2 (4%)	2 (4%)
Necrosis	2 (4%)	5 (11%)			1 (2%)	1 (2%)
Tension Lipidosis	11 (23%)	2 (4%)	5 (11%)	6 (13%)	6 (12%)	8 (17%)
Vacuolization Cytoplasmic	18 (38%)	23 (50%)	19 (41%)	16 (33%)	28 (56%)	21 (45%)
Mesentery	(8)	(4)	(11)	(6)	(7)	(11)
Cyst			1 (9%)			
Hematocyst					1 (14%)	
Hemorrhage			2 (18%)	2 (33%)	1 (14%)	1 (9%)
Infiltration Cellular, Lymphocyte				1 (17%)	1 (14%)	
Fat, Necrosis	8 (100%)	3 (75%)	11 (100%)	5 (83%)	6 (86%)	9 (82%)
Pancreas	(46)	(46)	(46)	(48)	(49)	(46)
Cyst			1 (2%)			
Cytoplasmic Alteration	1 (2%)					
Edema			1 (2%)			
Infiltration Cellular, Lymphocyte	18 (39%)	15 (33%)	13 (28%)	18 (38%)	19 (39%)	16 (35%)
Inflammation, Chronic Active			1 (2%)			
Mineralization						
Necrosis			1 (2%)			
Acinus, Degeneration	1 (2%)	1 (2%)	2 (4%)		1 (2%)	1 (2%)
Duct, Dilatation						
Fat, Necrosis			1 (2%)			
Salivary Glands	(47)	(45)	(46)	(48)	(50)	(46)
Infiltration Cellular, Lymphocyte	38 (81%)	40 (89%)	39 (85%)	39 (81%)	46 (92%)	38 (83%)
Polyarteritis						
Acinus, Degeneration		1 (2%)		1 (2%)		
Stomach, Forestomach	(46)	(47)	(45)	(47)	(50)	(46)
Hyperkeratosis				2 (4%)		
Hyperplasia						
Inflammation, Chronic Active						
Keratin Cyst					1 (2%)	
Ulcer						
Epithelium, Hyperplasia		1 (2%)		1 (2%)		2 (4%)
Stomach, Glandular	(46)	(46)	(45)	(46)	(48)	(46)

C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	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
Degeneration, Hyaline				2 (4%)		
Infiltration Cellular, Lymphocyte						
Inflammation, Chronic Active			1 (2%)	2 (4%)		2 (4%)
Mineralization		1 (2%)				
Epithelium, Hyperplasia			1 (2%)	2 (4%)		2 (4%)
<b>CARDIOVASCULAR SYSTEM</b>						
Blood Vessel	(48)	(46)	(46)	(48)	(49)	(45)
Heart	(47)	(47)	(46)	(48)	(50)	(48)
Cardiomyopathy					1 (2%)	
Inflammation, Suppurative						
Inflammation, Chronic Active						
Mineralization					1 (2%)	
Necrosis						1 (2%)
Polyarteritis	1 (2%)					
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(47)	(47)	(46)	(47)	(50)	(47)
Accessory Adrenal Cortical Nodule	4 (9%)	4 (9%)	3 (7%)	1 (2%)	1 (2%)	2 (4%)
Angiectasis		1 (2%)				
Cyst			1 (2%)			2 (4%)
Hypertrophy						1 (2%)
Vacuolization Cytoplasmic	6 (13%)	4 (9%)	6 (13%)	1 (2%)	3 (6%)	1 (2%)
Subcapsular, Hyperplasia	46 (98%)	46 (98%)	45 (98%)	44 (94%)	49 (98%)	47 (100%)
Adrenal Medulla	(46)	(45)	(43)	(46)	(47)	(46)
Hyperplasia						
Islets, Pancreatic	(47)	(46)	(46)	(48)	(49)	(46)
Hyperplasia	2 (4%)	3 (7%)	4 (9%)	1 (2%)	3 (6%)	4 (9%)
Infiltration Cellular, Lymphocyte	1 (2%)					
Parathyroid Gland	(45)	(44)	(40)	(38)	(40)	(36)
Cyst			1 (3%)			
Hyperplasia						1 (3%)
Hypertrophy						
Infiltration Cellular, Lymphocyte						
Pituitary Gland	(46)	(44)	(44)	(46)	(49)	(45)
Hemorrhage			1 (2%)			
Pars Distalis, Angiectasis	1 (2%)	1 (2%)	1 (2%)	2 (4%)	1 (2%)	
Pars Distalis, Cyst	1 (2%)	2 (5%)	6 (14%)	3 (7%)	2 (4%)	2 (4%)
Pars Distalis, Hyperplasia	10 (22%)	10 (23%)	7 (16%)	10 (22%)	11 (22%)	6 (13%)
Rathke's Cleft, Dilatation						
Thyroid Gland	(47)	(46)	(46)	(47)	(50)	(46)
Cyst	1 (2%)				1 (2%)	

C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	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
Ectopic Thymus Infiltration Cellular, Lymphocyte Inflammation, Chronic Active Polyarteritis	4 (9%)		1 (2%)	2 (4%)	1 (2%)	
C-cell, Hyperplasia Follicle, Degeneration	9 (19%)	4 (9%)	7 (15%)	1 (2%) 8 (17%)	4 (8%)	6 (13%)
Follicular Cell, Hyperplasia Follicular Cell, Hypertrophy			1 (2%)	1 (2%)	2 (4%) 1 (2%)	
<b>GENERAL BODY SYSTEM</b>						
Tissue NOS Hemorrhage	(1)	(2)	(1)	(1) 1 (100%)	(2)	(0)
Infiltration Cellular, Lymphocyte Abdominal, Fibrosis				1 (100%)		
Abdominal, Inflammation, Chronic Active Abdominal, Keratin Cyst Fat, Necrosis	1 (100%)					
<b>GENITAL SYSTEM</b>						
Clitoral Gland Atrophy Degeneration Inflammation, Suppurative	(46) 2 (4%) 39 (85%)	(43) 41 (95%)	(44) 41 (93%)	(44) 1 (2%) 42 (95%)	(49) 45 (92%)	(44) 1 (2%) 41 (93%)
Ovary Angiectasis Atrophy Cyst Cyst Dermoid Hematocyst Infiltration Cellular, Lymphocyte Inflammation, Chronic Active Bilateral, Cyst Fat, Necrosis Germinal Epithelium, Hyperplasia Parenchymal Cell, Degeneration	(47) 44 (94%) 13 (28%)	(45) 1 (2%) 39 (87%) 11 (24%)	(45) 44 (98%) 14 (31%)	(48) 39 (81%) 15 (31%)	(50) 42 (84%) 17 (34%)	(43) 36 (84%) 13 (30%)
Uterus Angiectasis Autolysis Hydrometra Thrombosis Endometrium, Hyperplasia, Cystic	(47) 6 (13%) 41 (87%)	(47) 4 (9%) 42 (89%)	(46) 1 (2%) 5 (11%) 1 (2%) 38 (83%)	(48) 6 (13%) 41 (85%)	(50) 1 (2%) 1 (2%) 49 (98%)	(46) 1 (2%) 1 (2%) 41 (89%)

C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	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>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow	(46)	(47)	(46)	(46)	(50)	(46)
Hyperplasia		3 (6%)	2 (4%)		3 (6%)	1 (2%)
Pigmentation				1 (2%)		
Lymph Node	(8)	(12)	(5)	(5)	(10)	(9)
Cyst					1 (10%)	
Hemorrhage		1 (8%)			1 (10%)	
Hyperplasia, Lymphoid		1 (8%)				
Axillary, Autolysis						
Axillary, Hyperplasia, Lymphoid	2 (25%)		1 (20%)			
Bronchial, Autolysis						
Iliac, Autolysis						
Lumbar, Autolysis						
Lumbar, Cyst						
Lumbar, Fibrosis					1 (10%)	
Lumbar, Hyperplasia, Lymphoid	2 (25%)	1 (8%)		1 (20%)	1 (10%)	2 (22%)
Lumbar, Infiltration Cellular, Plasma Cell				1 (20%)		
Lumbar, Infiltration Cellular, Polymorphonuclear						
Lumbar, Inflammation, Chronic Active						
Lumbar, Polyarteritis						
Mediastinal, Autolysis						
Mediastinal, Hyperplasia, Lymphoid				1 (20%)		2 (22%)
Mediastinal, Infiltration Cellular, Plasma Cell						
Pancreatic, Hyperplasia, Lymphoid			1 (20%)		1 (10%)	
Renal, Autolysis						
Renal, Hyperplasia, Lymphoid	2 (25%)	1 (8%)		1 (20%)		2 (22%)
Renal, Infiltration Cellular, Plasma Cell				1 (20%)		
Renal, Infiltration Cellular, Polymorphonuclear						
Sinus, Dilatation		2 (17%)				
Lymph Node, Mandibular	(47)	(44)	(46)	(48)	(49)	(45)
Autolysis						
Erythrophagocytosis		1 (2%)				
Hyperplasia, Lymphoid	9 (19%)	9 (20%)	12 (26%)	12 (25%)	16 (33%)	15 (33%)
Infiltration Cellular, Plasma Cell						1 (2%)
Infiltration Cellular, Polymorphonuclear					1 (2%)	
Pigmentation						
Lymph Node, Mesenteric	(45)	(46)	(45)	(45)	(48)	(46)
Angiectasis	1 (2%)					1 (2%)
Autolysis	1 (2%)					
Cyst			1 (2%)			
Hematopoietic Cell Proliferation						
Hemorrhage			2 (4%)	1 (2%)		

C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	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
Hyperplasia		1 (2%)				
Hyperplasia, Lymphoid	16 (36%)	17 (37%)	16 (36%)	21 (47%)	23 (48%)	20 (43%)
Infiltration Cellular, Histiocyte	2 (4%)	1 (2%)	2 (4%)	1 (2%)	1 (2%)	1 (2%)
Infiltration Cellular, Plasma Cell		1 (2%)	1 (2%)	3 (7%)	2 (4%)	3 (7%)
Infiltration Cellular, Polymorphonuclear	2 (4%)		1 (2%)		2 (4%)	
Inflammation, Chronic Active				2 (4%)		
Thrombosis						
Sinus, Dilatation	1 (2%)		1 (2%)			
Spleen	(47)	(47)	(46)	(47)	(50)	(48)
Autolysis	1 (2%)					
Erythrophagocytosis						
Hematopoietic Cell Proliferation	11 (23%)	13 (28%)	8 (17%)	13 (28%)	17 (34%)	10 (21%)
Hemorrhage						
Hyperplasia, Lymphoid	28 (60%)	25 (53%)	25 (54%)	27 (57%)	32 (64%)	31 (65%)
Necrosis		1 (2%)				
Pigmentation			1 (2%)			
Thrombosis						
Thymus	(46)	(42)	(44)	(45)	(47)	(43)
Angiectasis			1 (2%)			
Atrophy	16 (35%)	12 (29%)	13 (30%)	18 (40%)	13 (28%)	15 (35%)
Autolysis	1 (2%)					
Hyperplasia, Lymphoid	5 (11%)	6 (14%)	12 (27%)	3 (7%)	9 (19%)	7 (16%)
Mineralization	1 (2%)					
Fat, Necrosis	1 (2%)					
<b>INTEGUMENTARY SYSTEM</b>						
Mammary Gland	(47)	(46)	(45)	(45)	(50)	(45)
Galactocele					1 (2%)	
Lactation		1 (2%)	2 (4%)			
Metaplasia, Squamous						
Alveolus, Hyperplasia	1 (2%)	2 (4%)	1 (2%)	1 (2%)	1 (2%)	
Skin	(48)	(47)	(46)	(48)	(50)	(46)
Fibrosis				1 (2%)		
Infiltration Cellular, Lymphocyte						
Inflammation, Chronic Active		1 (2%)				
Ulcer		1 (2%)				
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone, Femur	(48)	(47)	(47)	(48)	(51)	(48)
Fibro-Osseous Lesion		1 (2%)	1 (2%)	1 (2%)	1 (2%)	1 (2%)
Skeletal Muscle	(0)	(0)	(0)	(1)	(1)	(1)

C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	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>NERVOUS SYSTEM</b>						
Brain, Brain Stem	(47)	(46)	(46)	(47)	(49)	(47)
Compression	1 (2%)	3 (7%)	1 (2%)	1 (2%)	2 (4%)	
Degeneration						
Hemorrhage			1 (2%)			
Brain, Cerebellum	(47)	(46)	(46)	(47)	(49)	(47)
Hemorrhage						
Infiltration Cellular, Lymphocyte						
Vacuolization Cytoplasmic						
Meninges, Infiltration Cellular, Lymphocyte	1 (2%)					
Ventricle, Dilatation						
Brain, Cerebrum	(47)	(46)	(46)	(47)	(49)	(47)
Cyst Epithelial Inclusion						
Hemorrhage						
Mineralization	22 (47%)	22 (48%)	26 (57%)	25 (53%)	25 (51%)	28 (60%)
Meninges, Infiltration Cellular, Lymphocyte	1 (2%)					
Ventricle, Dilatation						
Peripheral Nerve	(0)	(0)	(0)	(0)	(1)	(1)
Axon, Degeneration						
Spinal Cord	(0)	(0)	(0)	(0)	(1)	(1)
Degeneration						
Inflammation, Chronic Active						
Axon, Degeneration						
<b>RESPIRATORY SYSTEM</b>						
Lung	(48)	(47)	(46)	(48)	(50)	(48)
Autolysis	1 (2%)					
Congestion		1 (2%)			1 (2%)	
Crystals	3 (6%)	3 (6%)	1 (2%)	2 (4%)		2 (4%)
Hemorrhage	1 (2%)				1 (2%)	
Infiltration Cellular, Histiocyte	4 (8%)	4 (9%)	1 (2%)	2 (4%)		3 (6%)
Infiltration Cellular, Lymphocyte	14 (29%)	13 (28%)	14 (30%)	14 (29%)	16 (32%)	14 (29%)
Inflammation, Chronic				1 (2%)		
Inflammation, Chronic Active	1 (2%)		2 (4%)		1 (2%)	1 (2%)
Metaplasia, Osseous						
Alveolar Epithelium, Hyperplasia	1 (2%)	2 (4%)	1 (2%)	1 (2%)	2 (4%)	1 (2%)
Bronchiole, Hyperplasia						
Nose	(48)	(47)	(46)	(48)	(51)	(46)
Inflammation, Suppurative						
Posterior To Upper Incisor, Dysplasia		1 (2%)				



C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	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>SPECIAL SENSES SYSTEM</b>						
Eye	(46)	(45)	(46)	(46)	(49)	(45)
Cataract	1 (2%)	1 (2%)	1 (2%)	1 (2%)	1 (2%)	1 (2%)
Degeneration						
Inflammation, Chronic Active						
Metaplasia, Squamous						
Bilateral, Cataract		1 (2%)				1 (2%)
Cornea, Inflammation, Chronic Active	1 (2%)	1 (2%)		1 (2%)		1 (2%)
Cornea, Necrosis	1 (2%)					
Cornea, Ulcer						
Retina, Degeneration						
Harderian Gland	(46)	(47)	(46)	(47)	(50)	(46)
Cyst					1 (2%)	
Infiltration Cellular, Lymphocyte	6 (13%)	8 (17%)	6 (13%)	4 (9%)	4 (8%)	2 (4%)
Inflammation, Chronic						
Inflammation, Chronic Active	1 (2%)					1 (2%)
Acinus, Degeneration				1 (2%)	1 (2%)	
Acinus, Hyperplasia						
Epithelium, Hyperplasia						
<b>URINARY SYSTEM</b>						
Kidney	(46)	(46)	(46)	(46)	(50)	(46)
Amyloid Deposition			1 (2%)			
Hemorrhage			1 (2%)			
Hyaline Droplet	1 (2%)	2 (4%)		1 (2%)	1 (2%)	2 (4%)
Hydronephrosis			1 (2%)			
Hyperplasia, Lymphoid						
Infiltration Cellular, Lymphocyte	12 (26%)	16 (35%)	15 (33%)	16 (35%)	17 (34%)	13 (28%)
Inflammation, Chronic Active						
Metaplasia, Osseous	3 (7%)		3 (7%)	1 (2%)	2 (4%)	1 (2%)
Nephropathy	25 (54%)	27 (59%)	23 (50%)	18 (39%)	23 (46%)	26 (57%)
Polyarteritis						
Adventitia, Inflammation, Chronic Active			1 (2%)			
Adventitia, Fat, Necrosis			1 (2%)			
Urinary Bladder	(46)	(46)	(46)	(46)	(49)	(45)
Edema		1 (2%)				
Infiltration Cellular, Lymphocyte	20 (43%)	19 (41%)	21 (46%)	22 (48%)	26 (53%)	24 (53%)
Inflammation, Chronic Active		1 (2%)				
Polyarteritis						
Lumen, Dilatation						1 (2%)

TDMS No. 20311 - 02

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: 16:30:20

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

Lab: NCTR

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C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	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
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C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	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	49	48	48	26	49	50
Early Deaths						
Moribund Sacrifice	5	7	12	4	3	8
Natural Death	4	2	2	1	1	5
Survivors						
Moribund Sacrifice		2		2	5	4
Natural Death					1	
Terminal Sacrifice	39	34	31	16	37	30
Harvest	1	3	3	3	2	3
Animals Examined Microscopically	49	48	48	26	49	50

ALIMENTARY SYSTEM

Esophagus	(48)	(47)	(47)	(25)	(48)	(49)
Gallbladder	(45)	(45)	(45)	(25)	(47)	(46)
Cyst			1 (2%)			
Degeneration, Hyaline				1 (4%)		
Infiltration Cellular, Lymphocyte				1 (4%)		1 (2%)
Inflammation, Chronic						
Intestine Large, Cecum	(45)	(46)	(45)	(25)	(47)	(45)
Hyperplasia, Lymphoid	1 (2%)	3 (7%)			2 (4%)	3 (7%)
Serosa, Hyperplasia						
Intestine Large, Colon	(45)	(46)	(46)	(25)	(47)	(46)
Intestine Large, Rectum	(45)	(46)	(46)	(25)	(47)	(46)
Hyperplasia, Lymphoid						
Intestine Small, Duodenum	(45)	(46)	(46)	(25)	(47)	(45)
Diverticulum						
Intestine Small, Ileum	(45)	(46)	(46)	(25)	(47)	(45)
Hyperplasia, Lymphoid						
Inflammation, Chronic Active						
Intestine Small, Jejunum	(46)	(46)	(46)	(25)	(47)	(45)
Hyperplasia, Lymphoid						2 (4%)
Epithelium, Hyperplasia						1 (2%)
Liver	(47)	(47)	(46)	(26)	(48)	(50)
Angiectasis		1 (2%)				2 (4%)
Autolysis				1 (4%)	1 (2%)	
Basophilic Focus	7 (15%)	4 (9%)	3 (7%)	1 (4%)	2 (4%)	1 (2%)
Basophilic Focus, Multiple						
Clear Cell Focus						
Congestion						
Cyst			1 (2%)		1 (2%)	

C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	AZTH/3TCH/NVPH/0	AZTM/3TCM/NVPM/0	AZTL/3TCL/NVPL/0	AZTH/3TCH/NFVH/0	AZTM/3TCM/NFVM/0	AZTL/3TCL/NFVL/0
Cyst Multilocular Deformity	1 (2%)		1 (2%)			
Eosinophilic Focus		1 (2%)		1 (4%)	3 (6%)	
Eosinophilic Focus, Multiple						
Fatty Change		1 (2%)				
Hematocyst						
Hematopoietic Cell Proliferation			2 (4%)		2 (4%)	2 (4%)
Hemorrhage						
Hepatodiaphragmatic Nodule						
Infiltration Cellular, Histiocyte						
Infiltration Cellular, Lymphocyte	16 (34%)	12 (26%)	13 (28%)	6 (23%)	15 (31%)	13 (26%)
Inflammation, Chronic Active	3 (6%)		4 (9%)	4 (15%)	7 (15%)	1 (2%)
Mineralization						
Mixed Cell Focus	1 (2%)	1 (2%)		1 (4%)	1 (2%)	1 (2%)
Necrosis	1 (2%)	1 (2%)	1 (2%)		3 (6%)	3 (6%)
Tension Lipidosis	9 (19%)	10 (21%)	7 (15%)	3 (12%)	5 (10%)	6 (12%)
Vacuolization Cytoplasmic	10 (21%)	24 (51%)	26 (57%)	11 (42%)	25 (52%)	19 (38%)
Mesentery	(3)	(8)	(1)	(5)	(7)	(7)
Cyst						
Hematocyst						
Hemorrhage						1 (14%)
Infiltration Cellular, Lymphocyte					1 (14%)	
Fat, Necrosis	3 (100%)	8 (100%)	1 (100%)	5 (100%)	5 (71%)	5 (71%)
Pancreas	(47)	(46)	(45)	(25)	(46)	(47)
Cyst			1 (2%)		2 (4%)	
Cytoplasmic Alteration						1 (2%)
Edema						
Infiltration Cellular, Lymphocyte	14 (30%)	14 (30%)	20 (44%)	10 (40%)	14 (30%)	19 (40%)
Inflammation, Chronic Active						
Mineralization	1 (2%)					
Necrosis						
Acinus, Degeneration	3 (6%)		1 (2%)	2 (8%)	2 (4%)	3 (6%)
Duct, Dilatation						1 (2%)
Fat, Necrosis						
Salivary Glands	(46)	(47)	(47)	(25)	(47)	(47)
Infiltration Cellular, Lymphocyte	38 (83%)	36 (77%)	33 (70%)	21 (84%)	40 (85%)	36 (77%)
Polyarteritis						1 (2%)
Acinus, Degeneration						
Stomach, Forestomach	(47)	(46)	(46)	(25)	(47)	(47)
Hyperkeratosis						
Hyperplasia		1 (2%)				
Inflammation, Chronic Active			1 (2%)			
Keratin Cyst		1 (2%)				
Ulcer		1 (2%)				1 (2%)
Epithelium, Hyperplasia	4 (9%)	1 (2%)	3 (7%)		1 (2%)	1 (2%)
Stomach, Glandular	(46)	(46)	(46)	(25)	(47)	(46)

C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	AZTH/3TCH/NVPH/0	AZTM/3TCM/NVPM/0	AZTL/3TCL/NVPL/0	AZTH/3TCH/NFVH/0	AZTM/3TCM/NFVM/0	AZTL/3TCL/NFVL/0
Degeneration, Hyaline Infiltration Cellular, Lymphocyte Inflammation, Chronic Active Mineralization Epithelium, Hyperplasia			1 (2%)			
<b>CARDIOVASCULAR SYSTEM</b>						
Blood Vessel	(48)	(47)	(47)	(25)	(48)	(50)
Heart	(49)	(47)	(46)	(25)	(48)	(50)
Cardiomyopathy	1 (2%)			1 (4%)		1 (2%)
Inflammation, Suppurative						
Inflammation, Chronic Active		1 (2%)				
Mineralization						
Necrosis						
Polyarteritis						1 (2%)
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(48)	(46)	(45)	(25)	(49)	(48)
Accessory Adrenal Cortical Nodule	1 (2%)	1 (2%)	4 (9%)		1 (2%)	2 (4%)
Angiectasis						
Cyst				1 (4%)	1 (2%)	
Hypertrophy	1 (2%)	1 (2%)				
Vacuolization Cytoplasmic		1 (2%)	2 (4%)		2 (4%)	1 (2%)
Subcapsular, Hyperplasia	46 (96%)	46 (100%)	45 (100%)	25 (100%)	47 (96%)	47 (98%)
Adrenal Medulla	(44)	(45)	(43)	(25)	(47)	(46)
Hyperplasia	1 (2%)				1 (2%)	
Islets, Pancreatic	(47)	(46)	(45)	(25)	(46)	(47)
Hyperplasia	4 (9%)	4 (9%)	3 (7%)		1 (2%)	
Infiltration Cellular, Lymphocyte						
Parathyroid Gland	(41)	(44)	(38)	(21)	(42)	(42)
Cyst				1 (5%)		
Hyperplasia	1 (2%)					
Hypertrophy						
Infiltration Cellular, Lymphocyte	1 (2%)	1 (2%)	1 (3%)	1 (5%)		
Pituitary Gland	(42)	(46)	(43)	(23)	(45)	(47)
Hemorrhage						
Pars Distalis, Angiectasis	4 (10%)	1 (2%)			4 (9%)	1 (2%)
Pars Distalis, Cyst	4 (10%)		1 (2%)			
Pars Distalis, Hyperplasia	13 (31%)	7 (15%)	8 (19%)	2 (9%)	11 (24%)	11 (23%)
Rathke's Cleft, Dilatation		1 (2%)				
Thyroid Gland	(47)	(45)	(46)	(25)	(48)	(47)
Cyst	1 (2%)	1 (2%)	1 (2%)		2 (4%)	1 (2%)

C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	AZTH/3TCH/NVPH/0	AZTM/3TCM/NVPM/0	AZTL/3TCL/NVPL/0	AZTH/3TCH/NFVH/0	AZTM/3TCM/NFVM/0	AZTL/3TCL/NFVL/0
Ectopic Thymus		1 (2%)	1 (2%)		1 (2%)	
Infiltration Cellular, Lymphocyte	1 (2%)	3 (7%)	1 (2%)	1 (4%)	1 (2%)	5 (11%)
Inflammation, Chronic Active					1 (2%)	
Polyarteritis				1 (4%)		1 (2%)
C-cell, Hyperplasia						
Follicle, Degeneration	9 (19%)	7 (16%)	9 (20%)	7 (28%)	4 (8%)	7 (15%)
Follicular Cell, Hyperplasia	1 (2%)					
Follicular Cell, Hypertrophy						
<b>GENERAL BODY SYSTEM</b>						
Tissue NOS	(0)	(0)	(1)	(0)	(1)	(2)
Hemorrhage						
Infiltration Cellular, Lymphocyte						
Abdominal, Fibrosis					1 (100%)	
Abdominal, Inflammation, Chronic Active					1 (100%)	1 (50%)
Abdominal, Keratin Cyst						1 (50%)
Fat, Necrosis						1 (50%)
<b>GENITAL SYSTEM</b>						
Clitoral Gland	(46)	(46)	(46)	(25)	(47)	(46)
Atrophy		1 (2%)	1 (2%)		1 (2%)	
Degeneration	45 (98%)	43 (93%)	42 (91%)	24 (96%)	43 (91%)	42 (91%)
Inflammation, Suppurative		1 (2%)		1 (4%)		
Ovary	(48)	(47)	(46)	(25)	(48)	(47)
Angiectasis						
Atrophy	40 (83%)	42 (89%)	38 (83%)	23 (92%)	43 (90%)	40 (85%)
Cyst	21 (44%)	20 (43%)	21 (46%)	8 (32%)	19 (40%)	13 (28%)
Cyst Dermoid						1 (2%)
Hematocyst			1 (2%)			
Infiltration Cellular, Lymphocyte	1 (2%)	2 (4%)			1 (2%)	2 (4%)
Inflammation, Chronic Active					1 (2%)	
Bilateral, Cyst	8 (17%)	2 (4%)	5 (11%)	4 (16%)	2 (4%)	3 (6%)
Fat, Necrosis						
Germinal Epithelium, Hyperplasia						
Parenchymal Cell, Degeneration	1 (2%)					
Uterus	(48)	(46)	(46)	(26)	(48)	(48)
Angiectasis						2 (4%)
Autolysis				1 (4%)		
Hydrometra	1 (2%)	4 (9%)	1 (2%)	2 (8%)	7 (15%)	6 (13%)
Thrombosis						
Endometrium, Hyperplasia, Cystic	44 (92%)	42 (91%)	44 (96%)	22 (85%)	40 (83%)	42 (88%)

C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	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>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow	(48)	(46)	(46)	(25)	(47)	(47)
Hyperplasia	1 (2%)	1 (2%)	1 (2%)	1 (4%)	2 (4%)	3 (6%)
Pigmentation						
Lymph Node	(4)	(5)	(11)	(3)	(6)	(13)
Cyst						
Hemorrhage	1 (25%)					
Hyperplasia, Lymphoid	1 (25%)					
Axillary, Autolysis						
Axillary, Hyperplasia, Lymphoid						1 (8%)
Bronchial, Autolysis						
Iliac, Autolysis						
Lumbar, Autolysis						
Lumbar, Cyst					1 (17%)	
Lumbar, Fibrosis						
Lumbar, Hyperplasia, Lymphoid						2 (15%)
Lumbar, Infiltration Cellular, Plasma Cell						1 (8%)
Lumbar, Infiltration Cellular, Polymorphonuclear						
Lumbar, Inflammation, Chronic Active					1 (17%)	
Lumbar, Polyarteritis						1 (8%)
Mediastinal, Autolysis						
Mediastinal, Hyperplasia, Lymphoid		1 (20%)				
Mediastinal, Infiltration Cellular, Plasma Cell		1 (20%)				
Pancreatic, Hyperplasia, Lymphoid						1 (8%)
Renal, Autolysis						
Renal, Hyperplasia, Lymphoid						2 (15%)
Renal, Infiltration Cellular, Plasma Cell						
Renal, Infiltration Cellular, Polymorphonuclear						
Sinus, Dilatation	1 (25%)					
Lymph Node, Mandibular	(47)	(47)	(47)	(25)	(48)	(48)
Autolysis						
Erythrophagocytosis						
Hyperplasia, Lymphoid	18 (38%)	18 (38%)	11 (23%)	6 (24%)	14 (29%)	13 (27%)
Infiltration Cellular, Plasma Cell	1 (2%)	1 (2%)	1 (2%)			1 (2%)
Infiltration Cellular, Polymorphonuclear						
Pigmentation	1 (2%)					
Lymph Node, Mesenteric	(47)	(46)	(46)	(25)	(47)	(48)
Angiectasis		1 (2%)				
Autolysis						
Cyst						
Hematopoietic Cell Proliferation		1 (2%)				
Hemorrhage						

C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	AZTH/3TCH/NVPH/0	AZTM/3TCM/NVPM/0	AZTL/3TCL/NVPL/0	AZTH/3TCH/NFVH/0	AZTM/3TCM/NFVM/0	AZTL/3TCL/NFVL/0
Hyperplasia						
Hyperplasia, Lymphoid	18 (38%)	21 (46%)	10 (22%)	11 (44%)	21 (45%)	27 (56%)
Infiltration Cellular, Histiocyte					2 (4%)	
Infiltration Cellular, Plasma Cell	2 (4%)	1 (2%)			1 (2%)	4 (8%)
Infiltration Cellular, Polymorphonuclear						
Inflammation, Chronic Active						
Thrombosis						
Sinus, Dilatation		2 (4%)				
Spleen	(48)	(47)	(47)	(25)	(48)	(50)
Autolysis					1 (2%)	
Erythrophagocytosis						
Hematopoietic Cell Proliferation	9 (19%)	15 (32%)	10 (21%)	8 (32%)	9 (19%)	12 (24%)
Hemorrhage					1 (2%)	
Hyperplasia, Lymphoid	30 (63%)	30 (64%)	25 (53%)	14 (56%)	27 (56%)	32 (64%)
Necrosis					1 (2%)	
Pigmentation						
Thrombosis		1 (2%)				
Thymus	(40)	(44)	(44)	(25)	(48)	(44)
Angiectasis	1 (3%)					
Atrophy	6 (15%)	11 (25%)	11 (25%)	7 (28%)	6 (13%)	18 (41%)
Autolysis						
Hyperplasia, Lymphoid	10 (25%)	10 (23%)	4 (9%)	4 (16%)	13 (27%)	8 (18%)
Mineralization						
Fat, Necrosis						
<b>INTEGUMENTARY SYSTEM</b>						
Mammary Gland	(47)	(47)	(47)	(24)	(48)	(47)
Galactocele						
Lactation						1 (2%)
Metaplasia, Squamous	1 (2%)					
Alveolus, Hyperplasia	2 (4%)	1 (2%)			3 (6%)	1 (2%)
Skin	(49)	(47)	(47)	(25)	(48)	(49)
Fibrosis	1 (2%)					
Infiltration Cellular, Lymphocyte						1 (2%)
Inflammation, Chronic Active	1 (2%)					
Ulcer	1 (2%)					
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone, Femur	(49)	(48)	(48)	(26)	(49)	(50)
Fibro-Osseous Lesion		1 (2%)	2 (4%)	1 (4%)		
Skeletal Muscle	(1)	(2)	(0)	(0)	(0)	(0)



C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	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>NERVOUS SYSTEM</b>						
Brain, Brain Stem	(47)	(46)	(46)	(25)	(48)	(47)
Compression	2 (4%)	1 (2%)			3 (6%)	2 (4%)
Degeneration		1 (2%)				
Hemorrhage						
Brain, Cerebellum	(47)	(46)	(46)	(25)	(48)	(47)
Hemorrhage						1 (2%)
Infiltration Cellular, Lymphocyte				1 (4%)		
Vacuolization Cytoplasmic				1 (4%)		
Meninges, Infiltration Cellular, Lymphocyte						
Ventricle, Dilatation					1 (2%)	
Brain, Cerebrum	(47)	(46)	(46)	(25)	(48)	(47)
Cyst Epithelial Inclusion						1 (2%)
Hemorrhage						1 (2%)
Mineralization	19 (40%)	16 (35%)	25 (54%)	5 (20%)	18 (38%)	25 (53%)
Meninges, Infiltration Cellular, Lymphocyte						
Ventricle, Dilatation		1 (2%)			1 (2%)	
Peripheral Nerve	(1)	(1)	(0)	(0)	(0)	(0)
Axon, Degeneration	1 (100%)					
Spinal Cord	(1)	(1)	(0)	(0)	(0)	(0)
Degeneration		1 (100%)				
Inflammation, Chronic Active		1 (100%)				
Axon, Degeneration	1 (100%)					
<b>RESPIRATORY SYSTEM</b>						
Lung	(48)	(47)	(46)	(25)	(47)	(50)
Autolysis	1 (2%)					
Congestion					1 (2%)	
Crystals	1 (2%)	2 (4%)		2 (8%)	1 (2%)	1 (2%)
Hemorrhage		1 (2%)				
Infiltration Cellular, Histiocyte	1 (2%)	3 (6%)	1 (2%)	2 (8%)	4 (9%)	1 (2%)
Infiltration Cellular, Lymphocyte	13 (27%)	15 (32%)	8 (17%)	4 (16%)	9 (19%)	14 (28%)
Inflammation, Chronic						
Inflammation, Chronic Active		1 (2%)	1 (2%)			1 (2%)
Metaplasia, Osseous						
Alveolar Epithelium, Hyperplasia	1 (2%)	2 (4%)	2 (4%)	1 (4%)	1 (2%)	1 (2%)
Bronchiole, Hyperplasia			1 (2%)			
Nose	(49)	(47)	(48)	(26)	(47)	(48)
Inflammation, Suppurative			1 (2%)			
Posterior To Upper Incisor, Dysplasia		1 (2%)				

C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	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>SPECIAL SENSES SYSTEM</b>						
Eye	(45)	(45)	(45)	(25)	(47)	(45)
Cataract	1 (2%)	2 (4%)	1 (2%)	1 (4%)	1 (2%)	1 (2%)
Degeneration					1 (2%)	
Inflammation, Chronic Active					1 (2%)	
Metaplasia, Squamous				1 (4%)		
Bilateral, Cataract		1 (2%)	1 (2%)		1 (2%)	
Cornea, Inflammation, Chronic Active	1 (2%)	1 (2%)	2 (4%)	1 (4%)		
Cornea, Necrosis						
Cornea, Ulcer	1 (2%)		1 (2%)			
Retina, Degeneration		1 (2%)				
Harderian Gland	(46)	(45)	(45)	(25)	(46)	(46)
Cyst						1 (2%)
Infiltration Cellular, Lymphocyte	5 (11%)	5 (11%)	5 (11%)	2 (8%)	4 (9%)	4 (9%)
Inflammation, Chronic						1 (2%)
Inflammation, Chronic Active		1 (2%)				1 (2%)
Acinus, Degeneration						2 (4%)
Acinus, Hyperplasia				1 (4%)		
Epithelium, Hyperplasia	1 (2%)					
<b>URINARY SYSTEM</b>						
Kidney	(47)	(47)	(48)	(25)	(47)	(47)
Amyloid Deposition			1 (2%)			
Hemorrhage						
Hyaline Droplet	1 (2%)					2 (4%)
Hydronephrosis					1 (2%)	
Hyperplasia, Lymphoid				1 (4%)		
Infiltration Cellular, Lymphocyte	11 (23%)	15 (32%)	15 (31%)	5 (20%)	15 (32%)	7 (15%)
Inflammation, Chronic Active					1 (2%)	
Metaplasia, Osseous			1 (2%)			1 (2%)
Nephropathy	30 (64%)	22 (47%)	19 (40%)	12 (48%)	23 (49%)	30 (64%)
Polyarteritis						1 (2%)
Adventitia, Inflammation, Chronic Active						
Adventitia, Fat, Necrosis						
Urinary Bladder	(46)	(46)	(47)	(25)	(47)	(47)
Edema						
Infiltration Cellular, Lymphocyte	21 (46%)	25 (54%)	24 (51%)	10 (40%)	23 (49%)	19 (40%)
Inflammation, Chronic Active						
Polyarteritis						1 (2%)
Lumen, Dilatation						

TDMS No. 20311 - 02

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: 16:30:20

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

Lab: NCTR

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

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AZTH/3TCH/NVPH/0

AZTM/3TCM/NVPM/0

AZTL/3TCL/NVPL/0

AZTH/3TCH/NFVH/0

AZTM/3TCM/NFVM/0

AZTL/3TCL/NFVL/0

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

SOLVENT to 0

### Disposition Summary

Animals Initially in Study	64
Early Deaths	
Moribund Sacrifice	7
Natural Death	3
Survivors	
Moribund Sacrifice	6
Natural Death	1
Terminal Sacrifice	45
Harvest	2
Animals Examined Microscopically	64

### ALIMENTARY SYSTEM

Esophagus	(62)
Gallbladder	(60)
Cyst	
Degeneration, Hyaline	
Infiltration Cellular, Lymphocyte	
Inflammation, Chronic	
Intestine Large, Cecum	(60)
Hyperplasia, Lymphoid	
Serosa, Hyperplasia	1 (2%)
Intestine Large, Colon	(60)
Intestine Large, Rectum	(60)
Hyperplasia, Lymphoid	
Intestine Small, Duodenum	(60)
Diverticulum	
Intestine Small, Ileum	(60)
Hyperplasia, Lymphoid	
Inflammation, Chronic Active	1 (2%)
Intestine Small, Jejunum	(60)
Hyperplasia, Lymphoid	1 (2%)
Epithelium, Hyperplasia	
Liver	(61)
Angiectasis	
Autolysis	
Basophilic Focus	2 (3%)
Basophilic Focus, Multiple	
Clear Cell Focus	
Congestion	
Cyst	1 (2%)

C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	SOLVENT to 0
Cyst Multilocular	
Deformity	
Eosinophilic Focus	3 (5%)
Eosinophilic Focus, Multiple	
Fatty Change	
Hematocyst	
Hematopoietic Cell Proliferation	2 (3%)
Hemorrhage	
Hepatodiaphragmatic Nodule	
Infiltration Cellular, Histiocyte	1 (2%)
Infiltration Cellular, Lymphocyte	18 (30%)
Inflammation, Chronic Active	5 (8%)
Mineralization	1 (2%)
Mixed Cell Focus	1 (2%)
Necrosis	3 (5%)
Tension Lipidosis	7 (11%)
Vacuolization Cytoplasmic	32 (52%)
Mesentery	(8)
Cyst	
Hematocyst	
Hemorrhage	
Infiltration Cellular, Lymphocyte	
Fat, Necrosis	8 (100%)
Pancreas	(62)
Cyst	1 (2%)
Cytoplasmic Alteration	
Edema	
Infiltration Cellular, Lymphocyte	23 (37%)
Inflammation, Chronic Active	
Mineralization	
Necrosis	
Acinus, Degeneration	2 (3%)
Duct, Dilatation	
Fat, Necrosis	
Salivary Glands	(62)
Infiltration Cellular, Lymphocyte	47 (76%)
Polyarteritis	
Acinus, Degeneration	
Stomach, Forestomach	(62)
Hyperkeratosis	
Hyperplasia	
Inflammation, Chronic Active	
Keratin Cyst	
Ulcer	1 (2%)
Epithelium, Hyperplasia	2 (3%)
Stomach, Glandular	(60)

C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	SOLVENT to 0
Degeneration, Hyaline Infiltration Cellular, Lymphocyte Inflammation, Chronic Active Mineralization Epithelium, Hyperplasia	1 (2%)
<b>CARDIOVASCULAR SYSTEM</b>	
Blood Vessel	(62)
Heart	(63)
Cardiomyopathy Inflammation, Suppurative Inflammation, Chronic Active Mineralization Necrosis Polyarteritis	1 (2%)
<b>ENDOCRINE SYSTEM</b>	
Adrenal Cortex	(61)
Accessory Adrenal Cortical Nodule	6 (10%)
Angiectasis Cyst Hypertrophy Vacuolization Cytoplasmic Subcapsular, Hyperplasia	1 (2%) 3 (5%) 60 (98%)
Adrenal Medulla	(60)
Hyperplasia	
Islets, Pancreatic	(62)
Hyperplasia Infiltration Cellular, Lymphocyte	1 (2%) 1 (2%)
Parathyroid Gland	(54)
Cyst Hyperplasia Hypertrophy Infiltration Cellular, Lymphocyte	1 (2%) 1 (2%) 1 (2%)
Pituitary Gland	(60)
Hemorrhage Pars Distalis, Angiectasis Pars Distalis, Cyst Pars Distalis, Hyperplasia Rathke's Cleft, Dilatation	1 (2%) 2 (3%) 8 (13%)
Thyroid Gland	(59)
Cyst	

C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	SOLVENT to 0
Ectopic Thymus	1 (2%)
Infiltration Cellular, Lymphocyte	2 (3%)
Inflammation, Chronic Active	
Polyarteritis	
C-cell, Hyperplasia	
Follicle, Degeneration	9 (15%)
Follicular Cell, Hyperplasia	
Follicular Cell, Hypertrophy	2 (3%)
<b>GENERAL BODY SYSTEM</b>	
Tissue NOS	(3)
Hemorrhage	
Infiltration Cellular, Lymphocyte	
Abdominal, Fibrosis	
Abdominal, Inflammation, Chronic Active	1 (33%)
Abdominal, Keratin Cyst	
Fat, Necrosis	
<b>GENITAL SYSTEM</b>	
Clitoral Gland	(60)
Atrophy	
Degeneration	55 (92%)
Inflammation, Suppurative	
Ovary	(60)
Angiectasis	
Atrophy	57 (95%)
Cyst	22 (37%)
Cyst Dermoid	
Hematocyst	
Infiltration Cellular, Lymphocyte	
Inflammation, Chronic Active	
Bilateral, Cyst	3 (5%)
Fat, Necrosis	
Germinal Epithelium, Hyperplasia	
Parenchymal Cell, Degeneration	
Uterus	(62)
Angiectasis	
Autolysis	
Hydrometra	9 (15%)
Thrombosis	
Endometrium, Hyperplasia, Cystic	52 (84%)

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

SOLVENT to 0

HEMATOPOIETIC SYSTEM

Bone Marrow	(61)
Hyperplasia	2 (3%)
Pigmentation	
Lymph Node	(15)
Cyst	
Hemorrhage	1 (7%)
Hyperplasia, Lymphoid	
Axillary, Autolysis	1 (7%)
Axillary, Hyperplasia, Lymphoid	
Bronchial, Autolysis	1 (7%)
Iliac, Autolysis	1 (7%)
Lumbar, Autolysis	1 (7%)
Lumbar, Cyst	
Lumbar, Fibrosis	
Lumbar, Hyperplasia, Lymphoid	5 (33%)
Lumbar, Infiltration Cellular, Plasma Cell	1 (7%)
Lumbar, Infiltration Cellular, Polymorphonuclear	2 (13%)
Lumbar, Inflammation, Chronic Active	
Lumbar, Polyarteritis	
Mediastinal, Autolysis	1 (7%)
Mediastinal, Hyperplasia, Lymphoid	1 (7%)
Mediastinal, Infiltration Cellular, Plasma Cell	
Pancreatic, Hyperplasia, Lymphoid	
Renal, Autolysis	1 (7%)
Renal, Hyperplasia, Lymphoid	1 (7%)
Renal, Infiltration Cellular, Plasma Cell	
Renal, Infiltration Cellular, Polymorphonuclear	1 (7%)
Sinus, Dilatation	1 (7%)
Lymph Node, Mandibular	(61)
Autolysis	1 (2%)
Erythrophagocytosis	1 (2%)
Hyperplasia, Lymphoid	16 (26%)
Infiltration Cellular, Plasma Cell	1 (2%)
Infiltration Cellular, Polymorphonuclear	1 (2%)
Pigmentation	
Lymph Node, Mesenteric	(60)
Angiectasis	
Autolysis	1 (2%)
Cyst	
Hematopoietic Cell Proliferation	
Hemorrhage	



C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	SOLVENT to 0
Hyperplasia	
Hyperplasia, Lymphoid	20 (33%)
Infiltration Cellular, Histiocyte	1 (2%)
Infiltration Cellular, Plasma Cell	1 (2%)
Infiltration Cellular, Polymorphonuclear	1 (2%)
Inflammation, Chronic Active	
Thrombosis	1 (2%)
Sinus, Dilatation	
Spleen	(62)
Autolysis	1 (2%)
Erythrophagocytosis	1 (2%)
Hematopoietic Cell Proliferation	14 (23%)
Hemorrhage	
Hyperplasia, Lymphoid	32 (52%)
Necrosis	
Pigmentation	
Thrombosis	
Thymus	(55)
Angiectasis	
Atrophy	13 (24%)
Autolysis	
Hyperplasia, Lymphoid	12 (22%)
Mineralization	
Fat, Necrosis	
<b>INTEGUMENTARY SYSTEM</b>	
Mammary Gland	(63)
Galactocele	
Lactation	2 (3%)
Metaplasia, Squamous	
Alveolus, Hyperplasia	2 (3%)
Skin	(63)
Fibrosis	
Infiltration Cellular, Lymphocyte	
Inflammation, Chronic Active	
Ulcer	
<b>MUSCULOSKELETAL SYSTEM</b>	
Bone, Femur	(64)
Fibro-Osseous Lesion	
Skeletal Muscle	(1)

C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	SOLVENT to 0
<b>NERVOUS SYSTEM</b>	
Brain, Brain Stem	(61)
Compression	1 (2%)
Degeneration	
Hemorrhage	1 (2%)
Brain, Cerebellum	(62)
Hemorrhage	
Infiltration Cellular, Lymphocyte	
Vacuolization Cytoplasmic	
Meninges, Infiltration Cellular, Lymphocyte	
Ventricle, Dilatation	
Brain, Cerebrum	(62)
Cyst Epithelial Inclusion	
Hemorrhage	
Mineralization	41 (66%)
Meninges, Infiltration Cellular, Lymphocyte	
Ventricle, Dilatation	
Peripheral Nerve	(1)
Axon, Degeneration	
Spinal Cord	(1)
Degeneration	
Inflammation, Chronic Active	
Axon, Degeneration	
<b>RESPIRATORY SYSTEM</b>	
Lung	(62)
Autolysis	
Congestion	
Crystals	5 (8%)
Hemorrhage	1 (2%)
Infiltration Cellular, Histiocyte	8 (13%)
Infiltration Cellular, Lymphocyte	19 (31%)
Inflammation, Chronic	
Inflammation, Chronic Active	
Metaplasia, Osseous	1 (2%)
Alveolar Epithelium, Hyperplasia	3 (5%)
Bronchiole, Hyperplasia	
Nose	(62)
Inflammation, Suppurative	1 (2%)
Posterior To Upper Incisor, Dysplasia	

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

SOLVENT to 0

SPECIAL SENSES SYSTEM

Eye	(59)
Cataract	
Degeneration	
Inflammation, Chronic Active	
Metaplasia, Squamous	
Bilateral, Cataract	
Cornea, Inflammation, Chronic Active	1 (2%)
Cornea, Necrosis	
Cornea, Ulcer	
Retina, Degeneration	
Harderian Gland	(60)
Cyst	
Infiltration Cellular, Lymphocyte	7 (12%)
Inflammation, Chronic	
Inflammation, Chronic Active	
Acinus, Degeneration	
Acinus, Hyperplasia	
Epithelium, Hyperplasia	

URINARY SYSTEM

Kidney	(62)
Amyloid Deposition	1 (2%)
Hemorrhage	
Hyaline Droplet	
Hydronephrosis	
Hyperplasia, Lymphoid	
Infiltration Cellular, Lymphocyte	17 (27%)
Inflammation, Chronic Active	
Metaplasia, Osseous	2 (3%)
Nephropathy	31 (50%)
Polyarteritis	
Adventitia, Inflammation, Chronic Active	
Adventitia, Fat, Necrosis	
Urinary Bladder	(60)
Edema	
Infiltration Cellular, Lymphocyte	20 (33%)
Inflammation, Chronic Active	
Polyarteritis	
Lumen, Dilatation	1 (2%)

**TDMS No.** 20311 - 02

**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:** 16:30:20

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

**Lab:** NCTR

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

SOLVENT to 0

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