

TDMS No. 20311 - 02
Test Type: CHRONIC
Route: IN-UTERO
Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
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

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	5	5	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	6	7	9	1	6	8	0	1	1	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	6	4	8	6	3	6	7	9	1	3	6	2	2	2	2	3	3	3	3	2	2	4	4	4	4	7
C57BL/6N XC3H/HEN MTV-NCTR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MICE FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZT-H to 0	0	0	1	1	1	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	5	5	5	5	5
ANIMAL ID	8	8	0	4	7	2	8	0	0	1	2	3	3	3	3	8	8	8	8	9	9	1	1	1	1	7
	4	6	4	9	8	9	8	5	8	2	2	0	1	2	3	6	7	8	9	0	1	3	4	5	0	
Infiltration Cellular, Lymphocyte				1	1							1	1	1	2	2	2	1				1	1			

**females
(cont...)**

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAY ON TEST	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	3	3	3	4	3	3	3	3	3	3	4	3	4	4	4	4	4	4	4	4	4	4	4
	8	8	8	1	9	9	9	9	9	9	0	9	2	2	1	1	4	3	3	3	4	4	4
C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	6	6	6	7	7	7	7	7	7	8	8	9	9	9	9	9	9	9	9	9	0	0	0
ANIMAL ID	2	2	2	0	0	0	1	6	6	6	2	2	2	3	3	8	8	8	8	3	3	3	
AZT-H to 0	0	1	2	7	8	9	0	4	5	6	0	1	9	0	1	2	0	1	2	3	4	5	6
																							* TOTALS

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47	
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46	
Intestine Large, Cecum Hyperplasia, Lymphoid	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46	2 2.0
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46	
Intestine Small, Ileum Hyperplasia, Lymphoid	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46	1 2.0
Intestine Small, Jejunum Hyperplasia, Lymphoid	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46	1 2.0
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47	
Basophilic Focus									X															2	
Congestion																		2						1 2.0	
Eosinophilic Focus																								2	
Hematopoietic Cell Proliferation																								1 3.0	
Hemorrhage																								1 4.0	

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	3	3	3	4	3	3	3	3	3	3	4	3	4	4	4	4	4	4	4	4	4	4	4
	8	8	8	1	9	9	9	9	9	9	0	9	2	2	1	1	4	3	3	3	4	4	4
C57BL/6N XC3H/HEN MTV-NCTR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MICE FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
AZT-H to 0	6	6	6	7	7	7	7	7	7	8	8	9	9	9	9	9	9	9	9	9	0	0	0
ANIMAL ID	2	2	2	0	0	0	1	6	6	6	2	2	3	3	3	8	8	8	8	3	3	3	
	0	1	2	7	8	9	0	4	5	6	0	1	9	0	1	2	0	1	2	3	4	5	6
	* TOTALS																						

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Accessory Adrenal Cortical Nodule													X										4
Vacuolization Cytoplasmic					4				4			3				2							6 3.0
Subcapsular, Hyperplasia	2	2	2	2		2	2	2	2	2	2	2	2	1	2	2	4	2	2	1	1	2	46 2.0
Adrenal Medulla	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Hyperplasia			1									1											2 1.0
Infiltration Cellular, Lymphocyte					1																		1 1.0
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Pars Distalis, Angiectasis																2							1 2.0
Pars Distalis, Cyst																							1 2.0
Pars Distalis, Hyperplasia			4		2	3		2				2	2		2			2		1			10 2.2
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Cyst																2							1 2.0
Infiltration Cellular, Lymphocyte																1							4 1.0
Follicle, Degeneration			1					1										1	2				9 1.3

GENERAL BODY SYSTEM

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	3	3	3	4	3	3	3	3	3	3	4	3	4	4	4	4	4	4	4	4	4	4	4
	8	8	8	1	9	9	9	9	9	9	0	9	2	2	1	1	4	3	3	3	4	4	4
C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	6	6	6	7	7	7	7	7	7	8	8	9	9	9	9	9	9	9	9	0	0	0	0
	2	2	2	0	0	0	1	6	6	6	2	2	3	3	3	8	8	8	8	3	3	3	3
AZT-H to 0	0	1	2	7	8	9	0	4	5	6	0	1	9	0	1	2	0	1	2	3	4	5	6
																							* TOTALS

Tissue NOS 1
 Fat, Necrosis 1 4.0

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	46
Atrophy																						4	2 3.0
Degeneration				4	2	4	4	4		4	3	3	4		4		4	4	4	3	3	4	39 3.8
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Atrophy	3	4	3	3		4	3	4	3	3	4	3	3		3	4	4	4	3	3	4	3	44 3.3
Cyst		3							4					4			4		2				13 3.0
Bilateral, Cyst					4					2													4 3.3
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Hydrometra														4							4	4	6 4.0
Endometrium, Hyperplasia, Cystic	4	2	3	3	3	3	2	3	4	2	2	3		2	2	2	1	3	4	3		2	41 2.7

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	46
Lymph Node				+	+																			8
Axillary, Hyperplasia, Lymphoid																								2 2.5
Lumbar, Hyperplasia, Lymphoid				2																				2 2.5
Renal, Hyperplasia, Lymphoid																								2 2.5

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	3	3	3	4	3	3	3	3	3	3	4	3	4	4	4	4	4	4	4	4	4	4	4
	8	8	8	1	9	9	9	9	9	9	0	9	2	2	1	1	4	3	3	3	4	4	4
C57BL/6N XC3H/HEN MTV-NCTR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MICE FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
AZT-H to 0	6	6	6	7	7	7	7	7	7	7	8	8	9	9	9	9	9	9	9	9	0	0	0
ANIMAL ID	2	2	2	0	0	0	1	6	6	6	2	2	3	3	3	8	8	8	8	3	3	3	
	0	1	2	7	8	9	0	4	5	6	0	1	9	0	1	2	0	1	2	3	4	5	6
																							* TOTALS
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Hyperplasia, Lymphoid					1							2		1			2						9 1.8
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Angiectasis											3												1 3.0
Autolysis																							1 4.0
Hyperplasia, Lymphoid						1	1	3	3			2				2		2	2		2	2	16 1.9
Infiltration Cellular, Histiocyte																							2 3.5
Infiltration Cellular, Polymorphonuclear																							2 2.0
Sinus, Dilatation										3													1 3.0
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Autolysis																							1 4.0
Hematopoietic Cell Proliferation							3						4			2				2			11 2.5
Hyperplasia, Lymphoid						4	3	2	4			4	3			3	4	3	4	4	4	4	28 3.1
Thymus	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	46
Atrophy				3	3							2								2	2		16 2.5
Autolysis																							1 4.0
Hyperplasia, Lymphoid			2						3									2					5 2.2
Mineralization							1																1 1.0
Fat, Necrosis																							1 4.0

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Alveolus, Hyperplasia																							1 1.0

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	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	3	3	3	4	3	3	3	3	3	3	4	3	4	4	4	4	4	4	4	4	4	4	4	4
	8	8	8	1	9	9	9	9	9	9	0	9	2	2	1	1	4	3	3	3	4	4	4	4
C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	6	6	6	7	7	7	7	7	7	8	8	9	9	9	9	9	9	9	9	9	0	0	0	0
AZT-H to 0	2	2	2	0	0	0	1	6	6	6	2	2	3	3	3	3	8	8	8	8	3	3	3	3
ANIMAL ID	0	1	2	7	8	9	0	4	5	6	0	1	9	0	1	2	0	1	2	3	4	5	6	* TOTALS

Inflammation, Chronic Active	3	1 3.0
Alveolar Epithelium, Hyperplasia	1	1 1.0

Nose + **48**

Trachea + **47**

SPECIAL SENSES SYSTEM

Eye + **46**
 Cataract **1 1.0**
 Cornea, Inflammation, Chronic Active **1 2.0**
 Cornea, Necrosis **1 2.0**

Harderian Gland + **46**
 Infiltration Cellular, Lymphocyte **6 1.0**
 Inflammation, Chronic Active **1 4.0**

URINARY SYSTEM

Kidney + **46**
 Hyaline Droplet **1 3.0**
 Infiltration Cellular, Lymphocyte **12 1.3**
 Metaplasia, Osseous **3 2.0**
 Nephropathy **25 1.2**

Urinary Bladder + **46**

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAY ON TEST	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	3	3	3	3	3	3	3	3	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4
	7	3	9	9	9	9	9	9	0	0	9	1	1	0	3	3	5	5	4	5	5	5	5

C57BL/6N XC3H/HEN MTV-NCTR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MICE FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
ANIMAL ID	5	6	7	7	7	7	7	8	8	8	8	8	8	9	9	0	0	0	0	0	0	0	0
AZT-M to 0	7	1	1	1	1	6	6	6	2	2	2	7	7	7	3	3	3	3	3	8	8	8	8
	1	8	1	2	3	7	8	9	2	3	4	4	5	6	3	4	7	8	9	4	5	6	6
																							* TOTALS
Infiltration Cellular, Lymphocyte Inflammation, Chronic Active																							19 1.1 1 3.0

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ANIMAL ID		1	2	5	5	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
AZT-L to 0		9	9	9	8	6	0	2	1	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3
		7	7	4	6	3	5	5	8	2	2	2	2	3	3	3	3	3	3	3	3	2	3	3	3	3	4
C57BL/6N XC3H/HEN MTV-NCTR		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MICE FEMALE		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	5
		2	2	9	9	0	9	1	1	3	3	4	4	9	9	9	9	9	9	0	3	4	4	4	4	4	1
		0	3	7	8	1	6	6	7	8	9	0	1	4	5	6	7	8	9	0	9	2	3	4	5	7	

females (cont...)

ALIMENTARY SYSTEM

Esophagus		+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder Cyst Infiltration Cellular, Lymphocyte		+	A	M	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	
																	1				2						2
Intestine Large, Cecum Hyperplasia, Lymphoid		+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon		+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum		+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum Diverticulum		+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum Hyperplasia, Lymphoid		+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum Hyperplasia, Lymphoid		+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver Basophilic Focus Eosinophilic Focus, Multiple		+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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TDMS No. 20311 - 02
Test Type: CHRONIC
Route: IN-UTERO
Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
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

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	2	5	5	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	9	9	9	8	6	0	2	1	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3
	7	7	4	6	3	5	5	8	2	2	2	2	3	3	3	3	3	3	3	2	3	3	3	3	4
C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	2	2	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	5
AZT-L to 0	2	2	9	9	0	9	1	1	3	3	4	4	9	9	9	9	9	9	0	3	4	4	4	4	1
ANIMAL ID	0	3	7	8	1	6	6	7	8	9	0	1	4	4	5	6	7	8	9	0	9	2	3	4	5
Infiltration Cellular, Lymphocyte					1			1					1	1					1		1				
Inflammation, Chronic Active																									
Mixed Cell Focus									X																
Tension Lipidosis										1	1								1		1				
Vacuolization Cytoplasmic					2	2	2	1		1	1						1	3			1	2	2		
Mesentery					+	+	+	+										+	+		+				
Cyst																			4						
Hemorrhage																			4						
Fat, Necrosis					4	3	3	4									4	4			4				
Pancreas																									
Cyst																									
Edema																									
Infiltration Cellular, Lymphocyte					1	1		1												1	1	1			
Inflammation, Chronic Active									4																
Necrosis									4																
Acinus, Degeneration																									
Fat, Necrosis																									
Salivary Glands																									
Infiltration Cellular, Lymphocyte					+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
					2	2		1	1		1	2	2	2	2	1	2	2	2	1	2	1	2	2	1
Stomach, Forestomach					+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular					+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active																									
Epithelium, Hyperplasia									2																

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	1	2	5	5	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	9	9	9	8	6	0	2	1	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	
	7	7	4	6	3	5	5	8	2	2	2	2	3	3	3	3	3	3	2	3	3	3	3	4	
C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	5	
AZT-L to 0	2	2	9	9	0	9	1	1	3	3	4	4	9	9	9	9	9	9	0	3	4	4	4	1	
ANIMAL ID	0	3	7	8	1	6	6	7	8	9	0	1	4	5	6	7	8	9	0	9	2	3	4	5	

females
(cont...)

CARDIOVASCULAR SYSTEM

Blood Vessel	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

ENDOCRINE SYSTEM

Adrenal Cortex	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Accessory Adrenal Cortical Nodule					X												X							
Cyst																								
Vacuolization Cytoplasmic								4					4					4						
Subcapsular, Hyperplasia	2		2	2	3	3	2	1	2	1	2	2	2	1	2	2	1	2	3		2	2	2	1
Adrenal Medulla	+	A	+	+	M	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Islets, Pancreatic	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia							1	1								1								
Parathyroid Gland	+	A	+	+	+	+	+	+	M	M	+	+	+	+	+	+	+	+	+	+	+	M	+	+
Cyst																								
Pituitary Gland	+	A	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage														4										
Pars Distalis, Angiectasis					1																			
Pars Distalis, Cyst	2																					4		
Pars Distalis, Hyperplasia													1										2	

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DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		1	2	5	5	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
		9	9	9	8	6	0	2	1	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3
		7	7	4	6	3	5	5	8	2	2	2	2	3	3	3	3	3	3	2	3	3	3	3	4
C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZT-L to 0		0	0	0	0	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	5
		2	2	9	9	0	9	1	1	3	3	4	4	9	9	9	9	9	0	3	4	4	4	4	1
		0	3	7	8	1	6	6	7	8	9	0	1	4	4	5	6	7	8	9	0	9	2	3	4
		females (cont...)																							

Thyroid Gland
 Infiltration Cellular, Lymphocyte
 Follicle, Degeneration
 Follicular Cell, Hyperplasia

GENERAL BODY SYSTEM

Tissue NOS

GENITAL SYSTEM

Clitoral Gland
 Degeneration

Ovary
 Atrophy
 Cyst
 Bilateral, Cyst

Uterus
 Angiectasis
 Hydrometra
 Thrombosis
 Endometrium, Hyperplasia, Cystic

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DAY ON TEST	0 0																							
	1 2 5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7																							
ANIMAL ID	9 9 9 8 6 0 2 1 3 3 3 3 3 3 3 3 3 3 3 3 2 3 3 3																							
	7 7 4 6 3 5 5 8 2 2 2 2 3 3 3 3 3 3 2 3 3 3 3 4																							
C57BL/6N XC3H/HEN MTV-NCTR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MICE FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZT-L to 0	0	0	0	0	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	5
	2	2	9	9	0	9	1	1	3	3	4	4	9	9	9	9	9	0	3	4	4	4	4	1
	0	3	7	8	1	6	6	7	8	9	0	1	4	5	6	7	8	9	0	9	2	3	4	7

females
(cont...)

HEMATOPOIETIC SYSTEM

Bone Marrow Hyperplasia		+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
								2																2
Lymph Node Axillary, Hyperplasia, Lymphoid Pancreatic, Hyperplasia, Lymphoid																								
Lymph Node, Mandibular Hyperplasia, Lymphoid		+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric Cyst Hemorrhage Hyperplasia, Lymphoid Infiltration Cellular, Histocyte Infiltration Cellular, Plasma Cell Infiltration Cellular, Polymorphonuclear Sinus, Dilatation		+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen Hematopoietic Cell Proliferation Hyperplasia, Lymphoid Pigmentation		+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thymus Angiectasis		M	A	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	2	5	5	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	9	9	9	8	6	0	2	1	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3
	7	7	4	6	3	5	5	8	2	2	2	2	3	3	3	3	3	3	3	2	3	3	3	4
C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	5
AZT-L to 0	2	2	9	9	0	9	1	1	3	3	4	4	9	9	9	9	9	9	0	3	4	4	4	1
	0	3	7	8	1	6	6	7	8	9	0	1	4	4	5	6	7	8	9	0	9	2	3	7

females
(cont...)

Atrophy 3 2 1 3 2 2 3 3 3
Hyperplasia, Lymphoid

INTEGUMENTARY SYSTEM

Mammary Gland	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+
Lactation							2												2					
Alveolus, Hyperplasia																			3					
Skin	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

MUSCULOSKELETAL SYSTEM

Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibro-Osseous Lesion																4								

NERVOUS SYSTEM

Brain, Brain Stem	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Compression																				3				
Hemorrhage																				2				
Brain, Cerebellum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mineralization				1	1	1	1		1	1		1	1		1	1					1	1	1	1

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Page 39

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	2	5	5	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	9	9	9	8	6	0	2	1	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3
	7	7	4	6	3	5	5	8	2	2	2	2	3	3	3	3	3	3	2	3	3	3	3	4
C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE AZT-L to 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	2	2	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	5
	2	2	9	9	0	9	1	1	3	3	4	4	9	9	9	9	9	0	3	4	4	4	4	1
	0	3	7	8	1	6	6	7	8	9	0	1	4	5	6	7	8	9	0	9	2	3	4	7

females (cont...)

RESPIRATORY SYSTEM

Lung	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Crystals																								
Infiltration Cellular, Histiocyte																								
Infiltration Cellular, Lymphocyte					2	2		2						2	2		1	1		1				
Inflammation, Chronic Active																								
Alveolar Epithelium, Hyperplasia																								
Nose	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

SPECIAL SENSES SYSTEM

Eye	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cataract																								
Harderian Gland	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Infiltration Cellular, Lymphocyte					1			1			1	1		1										

URINARY SYSTEM

Kidney	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Amyloid Deposition	4																							

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 Lab: NCTR

DAY ON TEST	0																						* TOTALS	
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	
	2	2	7	7	7	6	6	7	7	7	7	9	5	9	9	9	9	9	9	9	4	4	4	
<hr/>																								
C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	0																							
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
ANIMAL ID	5	5	5	5	5	5	6	6	6	6	7	7	7	7	7	7	8	8	8	9	9	0		
	1	1	6	7	7	7	2	2	2	2	1	1	7	7	7	7	2	2	2	8	8	8	4	
AZT-L to 0	8	9	7	2	3	4	5	3	4	5	6	4	5	0	1	2	3	5	6	7	4	5	0	
<hr/>																								
Hemorrhage																					4		1 4.0	
Hydronephrosis																					4		1 4.0	
Infiltration Cellular, Lymphocyte					2					2							1				2		15 1.6	
Metaplasia, Osseous																					1		3 1.7	
Nephropathy	1	1	1	1			1	1			1	1	4	1	1	1			1			1		23 1.3
Adventitia, Inflammation, Chronic Active																							1 4.0	
Adventitia, Fat, Necrosis																							1 4.0	
<hr/>																								
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Infiltration Cellular, Lymphocyte	1	1		1	1			1			1			1	+	+	+	+	+	+	+	+	+	21 1.1

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 2) Mild 4) Marked

TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		1	5	5	6	5	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
		7	8	8	0	9	0	0	9	8	0	1	1	3	3	3	3	3	3	3	3	3	3	3	3
		8	5	8	4	5	8	9	2	5	5	7	5	2	2	3	3	3	3	3	3	3	1	7	8
C57BL/6N XC3H/HEN MTV-NCTR		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MICE FEMALE		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ANIMAL ID	0	0	1	1	1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	5	6	6
AZT-H/3TC-H to 0		1	9	0	1	2	3	3	4	5	9	9	1	4	4	0	0	4	4	4	4	9	7	2	2
		0	2	2	6	1	3	4	0	2	5	7	0	2	3	1	2	3	6	7	8	9	9	6	7

females
(cont...)

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder	+	+	+	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum Hyperplasia, Lymphoid	+	+	+	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum Hyperplasia, Lymphoid	+	+	+	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	A	+	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basophilic Focus							X			X														
Clear Cell Focus																								
Eosinophilic Focus																								
Hepatodiaphragmatic Nodule Infiltration Cellular, Lymphocyte Inflammation, Chronic Active																								

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DAY ON TEST	0																								ANIMAL ID	females (cont...)																				
	1 5 5 6 5 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7																																													
C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE AZT-H/3TC-H to 0	7 8 8 0 9 0 0 9 8 0 1 1 3 3 3 3 3 3 3 3 3 3 3 3																								0	0																				
	8 5 8 4 5 8 9 2 5 5 7 5 2 2 3 3 3 3 3 3 3 3 1 7 8 7																																													
Mixed Cell Focus Tension Lipidosis Vacuolization Cytoplasmic	1																								2		2		4		2		1		2		2		2		2		1			
Mesentery Hemorrhage Infiltration Cellular, Lymphocyte Fat, Necrosis																											+		+		+		+		+		+		+		+		+			
Pancreas Infiltration Cellular, Lymphocyte	+																								+		+		+		+		+		+		+		+		+		+		+	
Salivary Glands Infiltration Cellular, Lymphocyte Acinus, Degeneration	+																								+		+		+		+		+		+		+		+		+		+		+	
Stomach, Forestomach Hyperkeratosis Epithelium, Hyperplasia	+																								+		+		+		+		+		+		+		+		+		+		+	
Stomach, Glandular Degeneration, Hyaline Inflammation, Chronic Active Epithelium, Hyperplasia	+																								+		+		+		+		+		+		+		+		+		+		+	

CARDIOVASCULAR SYSTEM

Blood Vessel	+																							
--------------	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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TDMS No. 20311 - 02
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 Species/Strain: MICE/B6C3F1/NCTR

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

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	5	5	6	5	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	7	8	8	0	9	0	0	9	8	0	1	1	3	3	3	3	3	3	3	3	3	3	3	3	3
	8	5	8	4	5	8	9	2	5	5	7	5	2	2	3	3	3	3	3	3	3	1	7	8	7
C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	1	1	1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	5	6	6
AZT-H/3TC-H to 0	1	9	0	1	2	3	3	4	5	9	9	1	4	4	0	0	0	4	4	4	4	9	7	2	2
	0	2	2	6	1	3	4	0	2	5	7	0	2	3	1	2	3	6	7	8	9	9	6	7	8

females (cont...)

Heart +

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+
Accessory Adrenal Cortical Nodule																									
Vacuolization Cytoplasmic																									
Subcapsular, Hyperplasia	2	2	2	2	2	2	3		2	2				2	2	2	2	2	2	2	3	2	2	2	2
Adrenal Medulla	+	+	+	+	+	+	+	A	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia																									2
Parathyroid Gland	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	M	M	M	+	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	A	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Angiectasis																									
Pars Distalis, Cyst														2											2
Pars Distalis, Hyperplasia																									
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Infiltration Cellular, Lymphocyte																									
C-cell, Hyperplasia																									
Follicle, Degeneration																									
Follicular Cell, Hyperplasia																									2

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DAY ON TEST	0 1 7 8	0 5 8 5	0 5 8 8	0 6 0 4	0 5 9 5	0 6 0 8	0 6 0 9	0 6 0 2	0 6 9 5	0 6 8 5	0 7 1 7	0 7 1 5	0 7 3 2	0 7 3 2	0 7 3 3	0 7 3 3	0 7 3 3	0 7 3 3	0 7 3 3	0 7 3 3	0 7 3 3	0 7 3 3	0 7 3 1	0 7 3 7	0 7 3 8	0 7 3 7	
C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	0 0 0 1 0	0 0 0 9 2	0 0 1 0 2	0 0 1 1 6	0 0 1 2 1	0 0 1 3 4	0 0 1 3 4	0 0 2 5 0	0 0 2 9 2	0 0 2 9 5	0 0 3 9 7	0 0 3 9 0	0 0 3 1 2	0 0 3 4 3	0 0 4 4 1	0 0 4 4 2	0 0 4 4 3	0 0 4 4 6	0 0 4 4 8	0 0 4 4 9	0 0 4 4 9	0 0 4 4 9	0 0 4 4 6	0 0 4 4 7	0 0 4 4 6	0 0 4 4 7	0 0 5 6 8
AZT-H/3TC-H to 0	0 0 0 1 0	0 0 0 9 2	0 0 1 0 2	0 0 1 1 6	0 0 1 2 1	0 0 1 3 4	0 0 2 5 0	0 0 2 9 2	0 0 2 9 5	0 0 3 9 7	0 0 3 9 0	0 0 3 1 2	0 0 3 4 3	0 0 4 4 1	0 0 4 4 2	0 0 4 4 3	0 0 4 4 6	0 0 4 4 8	0 0 4 4 9	0 0 4 4 9	0 0 4 4 9	0 0 4 4 6	0 0 4 4 7	0 0 4 4 6	0 0 4 4 7	0 0 5 6 8	0 0 6 7 8

females
(cont...)

Mammary Gland Alveolus, Hyperplasia	M	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Skin Fibrosis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

MUSCULOSKELETAL SYSTEM

Bone																												
Bone, Femur Fibro-Osseous Lesion	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle																												+

NERVOUS SYSTEM

Brain, Brain Stem Compression	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum Mineralization	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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DAY ON TEST	0 0																							
	1 5 5 6 5 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7																							
	7 8 8 0 9 0 0 9 8 0 1 1 3 3 3 3 3 3 3 3 3 3 3 3																							
	8 5 8 4 5 8 9 2 5 5 7 5 2 2 3 3 3 3 3 3 3 1 7 8 7																							
C57BL/6N XC3H/HEN MTV-NCTR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MICE FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZT-H/3TC-H to 0	0	0	1	1	1	1	1	2	2	2	2	3	3	3	4	4	4	4	4	4	4	5	6	6
ANIMAL ID	1	9	0	1	2	3	3	4	5	9	9	1	4	4	0	0	0	4	4	4	4	9	7	2
	0	2	2	6	1	3	4	0	2	5	7	0	2	3	1	2	3	6	7	8	9	9	6	7

females
(cont...)

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Crystals			4																					
Infiltration Cellular, Histiocyte			4																					
Infiltration Cellular, Lymphocyte		2		1		1					2	2	1	2	1				2		1		1	
Inflammation, Chronic	1																							
Alveolar Epithelium, Hyperplasia																								
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Trachea	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Cataract									1														
Cornea, Inflammation, Chronic Active																	1						
Harderian Gland	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Infiltration Cellular, Lymphocyte			1	1	1								1										
Acinus, Degeneration					2																		

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
--------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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

Lab: NCTR

	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAY ON TEST	1	5	5	6	5	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	7	8	8	0	9	0	0	9	8	0	1	1	3	3	3	3	3	3	3	3	3	3	3	3
	8	5	8	4	5	8	9	2	5	5	7	5	2	2	3	3	3	3	3	3	3	1	7	8
<hr/>																								
C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	1	1	1	1	1	2	2	2	2	3	3	3	4	4	4	4	4	4	4	4	5	6
ANIMAL ID	1	9	0	1	2	3	3	4	5	9	9	1	4	4	0	0	0	4	4	4	4	9	7	
AZT-H/3TC-H to 0	0	2	2	6	1	3	4	0	2	5	7	0	2	3	1	2	3	6	7	8	9	9	6	
Hyaline Droplet	3																							
Infiltration Cellular, Lymphocyte				2						1		1	2	1			1	1			1		1	1
Metaplasia, Osseous																								
Nephropathy	2					1	1							1						1		1	1	
<hr/>																								
Urinary Bladder	+	+	+	+	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Infiltration Cellular, Lymphocyte									1			2	1				2	1			1	1		1

females (cont...)

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Page 57

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4
	0	0	0	0	9	8	8	8	9	9	8	8	9	9	9	5	4	4	5	5	5	5	5
C57BL/6N XC3H/HEN MTV-NCTR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MICE FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
AZT-H/3TC-H to 0	6	6	6	6	7	7	7	7	7	7	7	7	8	8	8	9	9	9	0	0	0	0	0
ANIMAL ID	7	7	7	7	1	1	1	1	7	7	7	7	2	2	3	8	8	8	4	4	4	8	8
	0	1	2	3	6	7	8	9	4	5	6	7	8	9	0	6	7	8	1	2	3	7	8
	* TOTALS																						

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Intestine Large, Cecum Hyperplasia, Lymphoid	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2	+	46 1 2.0
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Intestine Large, Rectum Hyperplasia, Lymphoid	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46 1 2.0
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Basophilic Focus	X			X									X				X			X				7
Clear Cell Focus																								1
Eosinophilic Focus					X																			2
Hepatodiaphragmatic Nodule												X												1
Infiltration Cellular, Lymphocyte Inflammation, Chronic Active			2									1	1				2		1				1	13 1.4 2 1.0

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

DAY ON TEST	0																				* TOTALS		
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		7	
ANIMAL ID	0																				* TOTALS		
	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		7	
C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
AZT-H/3TC-H to 0	0	1	2	3	6	7	8	9	4	5	6	7	8	9	0	6	7	8	1	2	3	7	8

Mixed Cell Focus																					X	1																	
Tension Lipidosis	2	2																			2	1	2													2	2	6	1.7
Vacuolization Cytoplasmic											2			2			1	1			2			2	2	16	1.9												
Mesentery																					+	6																	
Hemorrhage																						2	3.5																
Infiltration Cellular, Lymphocyte																						1	3.0																
Fat, Necrosis																					4	5	3.8																
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48																	
Infiltration Cellular, Lymphocyte			1			1			1	1	1			2			1	2			2	18	1.2																
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48																	
Infiltration Cellular, Lymphocyte	1	2	1	1	2	1	2	1			2	1	1	2	1			2			1	1	2	2	2	39	1.4												
Acinus, Degeneration																						1	2.0																
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47																	
Hyperkeratosis																						2	2.0																
Epithelium, Hyperplasia																						2	2.0																
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46																	
Degeneration, Hyaline																						2	3.0																
Inflammation, Chronic Active																						2	2.5																
Epithelium, Hyperplasia																						2	3.0																

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
--------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----

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

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4
	0	0	0	0	9	8	8	8	9	9	8	8	9	9	9	5	4	4	5	5	5	5	5
C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	6	6	6	6	7	7	7	7	7	7	7	7	8	8	8	9	9	9	0	0	0	0	0
AZT-H/3TC-H to 0	7	7	7	7	1	1	1	1	7	7	7	7	2	2	3	8	8	8	4	4	4	4	8
	0	1	2	3	6	7	8	9	4	5	6	7	8	9	0	6	7	8	1	2	3	7	8
																							* TOTALS

Heart + **48**

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47		
Accessory Adrenal Cortical Nodule													X													1
Vacuolization Cytoplasmic																										1 3.0
Subcapsular, Hyperplasia	2	2	2	1	4	1	1	2	2	2	1	3	2	1	2	2	2	2	2	2	2	2	2		44 2.0	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46		
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48		
Hyperplasia																									1 2.0	
Parathyroid Gland	+	M	M	M	+	+	M	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	38			
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46		
Pars Distalis, Angiectasis																									2 1.5	
Pars Distalis, Cyst																									3 1.7	
Pars Distalis, Hyperplasia		2		1									2		2					1	2				10 1.8	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47		
Infiltration Cellular, Lymphocyte																									2 1.0	
C-cell, Hyperplasia																									1 1.0	
Follicle, Degeneration	1																								8 1.4	
Follicular Cell, Hyperplasia							1																		1 1.0	

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TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4
	0	0	0	0	9	8	8	8	9	9	8	8	9	9	9	5	4	4	5	5	5	5	5	5
C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	6	6	6	6	7	7	7	7	7	7	7	7	8	8	8	8	9	9	0	0	0	0	0	0
	7	7	7	7	1	1	1	1	1	7	7	7	7	2	2	3	8	8	8	4	4	4	8	8
AZT-H/3TC-H to 0	0	1	2	3	6	7	8	9	4	5	6	7	8	9	0	6	7	8	1	2	3	7	8	
																								* TOTALS

GENERAL BODY SYSTEM

Tissue NOS																									1
Hemorrhage																									1 4.0
Infiltration Cellular, Lymphocyte																									1 4.0

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Atrophy																									1 4.0
Degeneration	4	3	3	4	4	2	4	4	4	4	4	4	4	4	4	4	3	4	4	4	4			42 3.8	
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Atrophy	3	3	3	3	4	3	4	3	4	3	3	4	3	3	4		3		3	4				39 3.1	
Cyst	3		2			3						2				4	2	4			4			15 3.0	
Hematocyst												X												4	
Bilateral, Cyst					3																			1 3.0	
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48	
Hydrometra					4										4									6 4.0	
Endometrium, Hyperplasia, Cystic	3	2	2	4		4	3	3	2	2	2	2	2	2		2	2	2	3	4	2	3	3	41 2.7	

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Pigmentation																									3
																									1 3.0

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DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4
AZT-H/3TC-H to 0	0	0	0	0	9	8	8	8	9	9	8	8	9	9	9	5	4	4	5	5	5	5
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6	6	6	6	7	7	7	7	7	7	7	7	8	8	8	9	9	9	0	0	0	0
	7	7	7	7	1	1	1	1	7	7	7	7	2	2	3	8	8	8	4	4	4	8
	0	1	2	3	6	7	8	9	4	5	6	7	8	9	0	6	7	8	1	2	3	7
																						* TOTALS

Lymph Node																						5
Lumbar, Hyperplasia, Lymphoid																						1 3.0
Lumbar, Infiltration Cellular, Plasma Cell																						1 3.0
Mediastinal, Hyperplasia, Lymphoid																						1 2.0
Renal, Hyperplasia, Lymphoid																						1 3.0
Renal, Infiltration Cellular, Plasma Cell																						1 3.0
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Hyperplasia, Lymphoid																						12 1.6
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Hemorrhage																						1 2.0
Hyperplasia, Lymphoid	2	3		3	2			1	2			1	1	3	2			2	2		2	21 2.0
Infiltration Cellular, Histiocyte																						1 2.0
Infiltration Cellular, Plasma Cell																						3 2.7
Inflammation, Chronic Active																						2 4.0
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Hematopoietic Cell Proliferation																						13 2.5
Hyperplasia, Lymphoid	2	4	2	4	4		3		4		2	2		4		4	4		4		4	27 3.1
Thymus	+	+	+	+	+	M	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Atrophy	3	3	2	3	2		3								3	1	2			2		18 2.4
Hyperplasia, Lymphoid																						3 2.0

INTEGUMENTARY SYSTEM

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TDMS No. 20311 - 02
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 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
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 First Dose M/F: NA / 07/10/03
 Lab: NCTR

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4
	0	0	0	0	9	8	8	8	9	9	8	8	9	9	9	5	4	4	4	5	5	5	5	5
C57BL/6N XC3H/HEN MTV-NCTR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MICE FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
AZT-H/3TC-H to 0	6	6	6	6	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	0	0	0	0	0
ANIMAL ID	7	7	7	7	1	1	1	1	7	7	7	7	2	2	3	8	8	8	4	4	4	4	8	8
	0	1	2	3	6	7	8	9	4	5	6	7	8	9	0	6	7	8	1	2	3	7	8	* TOTALS
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	45
Alveolus, Hyperplasia						4																		1 4.0
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Fibrosis										2														1 2.0
MUSCULOSKELETAL SYSTEM																								
Bone				+																				1
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Fibro-Osseous Lesion				2																				1 2.0
Skeletal Muscle																								1
NERVOUS SYSTEM																								
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Compression					4																			1 4.0
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Mineralization	1	1							1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	25 1.0

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	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4
	0	0	0	0	9	8	8	8	9	9	8	8	9	9	9	5	4	4	5	5	5	5	5
C57BL/6N XC3H/HEN MTV-NCTR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MICE FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
ANIMAL ID	6	6	6	6	7	7	7	7	7	7	7	7	8	8	8	9	9	0	0	0	0	0	0
AZT-H/3TC-H to 0	0	1	2	3	6	7	8	9	4	5	6	7	8	9	0	6	7	8	1	2	3	7	8
	* TOTALS																						

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Crystals															4								2 4.0
Infiltration Cellular, Histiocyte															4								2 4.0
Infiltration Cellular, Lymphocyte																		1		2		1	14 1.4
Inflammation, Chronic																							1 1.0
Alveolar Epithelium, Hyperplasia																	1						1 1.0
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Cataract																							1 1.0
Cornea, Inflammation, Chronic Active																							1 1.0
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Infiltration Cellular, Lymphocyte																							4 1.0
Acinus, Degeneration																							1 2.0

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
--------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4
	0	0	0	0	9	8	8	8	9	9	8	8	9	9	9	5	4	4	5	5	5	5	5	5
C57BL/6N XC3H/HEN MTV-NCTR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MICE FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
AZT-H/3TC-H to 0	6	6	6	6	7	7	7	7	7	7	7	7	8	8	8	9	9	9	0	0	0	0	0	0
ANIMAL ID	7	7	7	7	1	1	1	1	7	7	7	7	2	2	3	8	8	8	4	4	4	4	8	8
	0	1	2	3	6	7	8	9	4	5	6	7	8	9	0	6	7	8	1	2	3	7	8	
																							* TOTALS	
Hyaline Droplet																							1 3.0	
Infiltration Cellular, Lymphocyte	1	2	2		1		1	1	1		2		1		1	1	1	1	1	1	1	1	1	16 1.3
Metaplasia, Osseous																							1 2.0	
Nephropathy	1		1	2	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18 1.1
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Infiltration Cellular, Lymphocyte	1		1	1	2		1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	22 1.2

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20311 - 02
Test Type: CHRONIC
Route: IN-UTERO
Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	5	5	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	3	8	9	0	1	4	6	6	7	9	9	1	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	8	7	5	0	2	3	2	6	8	0	8	4	0	2	2	2	2	3	3	3	3	4	4	1	8	8	
C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	1	1	1	1	1	1	1	2	2	2	3	3	3	3	4	4	4	4	5	5	6	6	6	6	6
AZT-M/3TC-M to 0	0	1	3	8	7	3	9	9	3	6	2	4	1	4	5	6	0	1	2	3	0	1	9	2	3	0	
ANIMAL ID																											females (cont...)

ALIMENTARY SYSTEM

Esophagus	+ +																											
Gallbladder	A A +																											
Intestine Large, Cecum Hyperplasia, Lymphoid	+ A +																											
Intestine Large, Colon	+ +																											
Intestine Large, Rectum	+ +																											
Intestine Small, Duodenum	+ A +																											
Intestine Small, Ileum	+ +																											
Intestine Small, Jejunum	A A +																											
Liver	+ +																											
Angiectasis																												
Basophilic Focus																												
Basophilic Focus, Multiple																												
Clear Cell Focus																												
Congestion	X																											
Eosinophilic Focus																												
Hematocyst																												
																												2
																												X

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 66

DAY ON TEST	0 0																							
	5 5 5 6 6 6 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7																							
C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE ANIMAL ID	3 8 9 0 1 4 6 6 7 9 9 1 1 3 3 3 3 3 3 3 3 3 3 3																							
	8 7 5 0 2 3 2 6 8 0 8 4 0 2 2 2 3 3 3 3 4 4 1 8 8																							
AZT-M/3TC-M to 0	0 0																							
	0 0																							
	0 1 1 1 1 1 1 1 2 2 2 3 3 3 4 4 4 4 5 5 5 5 6 6																							
	6 0 2 4 7 7 9 1 5 7 8 0 4 4 4 5 5 5 2 2 1 2 3 3																							
	0 1 3 8 7 3 9 9 3 6 2 4 1 4 5 6 0 1 2 3 0 1 9 9 0																							
Hematopoietic Cell Proliferation	4																							
Infiltration Cellular, Lymphocyte	1 1 1 1 1 1 2																							
Inflammation, Chronic Active	1																							
Mixed Cell Focus	X																							
Necrosis	4																							
Tension Lipidosis																								
Vacuolization Cytoplasmic	2 2 1 4 1 2 2 3 2 2 1 1 2																							
Mesentery	+																							
Hematocyst	+																							
Hemorrhage	2																							
Infiltration Cellular, Lymphocyte	3																							
Fat, Necrosis	3 4																							
Pancreas	A +																							
Infiltration Cellular, Lymphocyte	1 2 2 1																							
Acinus, Degeneration	1 1 1 1 1 1 1																							
Salivary Glands	+ +																							
Infiltration Cellular, Lymphocyte	2 1 2 2 1 2 1 2 2 2 2 1 2 3 1 2 1 1 1 2 2 2																							
Stomach, Forestomach	+ +																							
Keratin Cyst	X																							
Stomach, Glandular	A A +																							

females (cont...)

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 67

TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	5	5	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	3	8	9	0	1	4	6	6	7	9	9	1	1	3	3	3	3	3	3	3	3	3	3	3	3
	8	7	5	0	2	3	2	6	8	0	8	4	0	2	2	2	3	3	3	3	4	4	1	8	8
C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	4	5	5	6	6	6	6	6
AZT-M/3TC-M to 0	6	0	2	2	4	7	7	9	1	5	7	8	0	4	4	4	5	5	5	5	2	2	1	2	3
	0	1	3	8	7	3	9	9	3	6	2	4	1	4	5	6	0	1	2	3	0	1	9	0	
																									females (cont...)

Blood Vessel + M +

Heart +
 Cardiomyopathy 2
 Mineralization 2

ENDOCRINE SYSTEM

Adrenal Cortex +
 Accessory Adrenal Cortical Nodule
 Vacuolization Cytoplasmic 3
 Subcapsular, Hyperplasia 2 2 2 2 2 2 2 3 2 2 2 2 1 2 2 2 1 2 2 1 3 2 2

Adrenal Medulla M + + + + + + M +

Islets, Pancreatic A +
 Hyperplasia 1

Parathyroid Gland A + + + + + + + + + + + + + + + M + M + + + + + + M + +

Pituitary Gland + + + + + + + M +
 Pars Distalis, Angiectasis
 Pars Distalis, Cyst 2
 Pars Distalis, Hyperplasia 2 3 3 2 3 2

Thyroid Gland +
 Cyst 2
 Ectopic Thymus X

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20311 - 02
Test Type: CHRONIC
Route: IN-UTERO
Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
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

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	5	5	5	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
	3	8	9	0	1	4	6	6	7	9	9	1	1	3	3	3	3	3	3	3	3	3	3	3	
	8	7	5	0	2	3	2	6	8	0	8	4	0	2	2	2	3	3	3	3	4	4	1	8	
<hr/>																									
C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	1	1	1	1	1	1	1	2	2	2	3	3	3	3	4	4	4	4	5	5	6	6		
AZT-M/3TC-M to 0	0	1	2	2	4	7	7	9	1	5	7	8	0	4	4	4	5	5	5	2	2	1	2		
	0	1	3	8	7	3	9	9	3	6	2	4	1	4	5	6	0	1	2	3	0	1	9		

1
2
2

females
(cont...)

Follicle, Degeneration
Follicular Cell, Hyperplasia
Follicular Cell, Hypertrophy

GENERAL BODY SYSTEM

Tissue NOS

+ +

GENITAL SYSTEM

Clitoral Gland
Degeneration

+
4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 3 4 4 4 3 4 4 3

Ovary
Atrophy
Cyst
Hematocyst
Bilateral, Cyst

+
3 2 4 2 3 3 3 3 3 3 4 3 4 3 3 3 3 3 2 2 3 3
3 2 4 4 4 2 4 2 4 4 2 4 4 3 3 2 2
X
2 2

Uterus
Angiectasis
Hydrometra
Endometrium, Hyperplasia, Cystic

+
2 3 4 3 2 3 3 3 3 4 3 2 3 3 4 3 3 3 2 3 2 4 2 1 4
2

HEMATOPOIETIC SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 69

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20311 - 02

Test Type: CHRONIC

Route: IN-UTERO

Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 3 | 8 | 9 | 0 | 1 | 4 | 6 | 6 | 7 | 9 | 9 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 8 | 7 | 5 | 0 | 2 | 3 | 2 | 6 | 8 | 0 | 8 | 4 | 0 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 1 | 8 | 8 | | |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AZT-M/3TC-M to 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 6 |
| ANIMAL ID | 6 | 0 | 2 | 4 | 7 | 7 | 9 | 1 | 5 | 7 | 8 | 0 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 2 | 2 | 1 | 2 | 3 | 3 | 3 | 3 |
| | 0 | 1 | 3 | 8 | 7 | 3 | 9 | 9 | 3 | 6 | 2 | 4 | 1 | 4 | 5 | 6 | 0 | 1 | 2 | 3 | 0 | 1 | 9 | 9 | 0 | 0 | 0 |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | | | | | 2 | 3 | | | | | 3 | | | | | | | | | | | | | |
| Lymph Node | | + | | | + | | | | + | | + | | | + | | | | | | | | | | | | | + |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Fibrosis | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| Pancreatic, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Lymph Node, Mandibular | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia, Lymphoid | | | | | | | 3 | | 1 | | 3 | 2 | | 1 | | 2 | | | | | | | | | | 1 | |
| Infiltration Cellular, Polymorphonuclear | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | + | A | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia, Lymphoid | | | 2 | 2 | | | | | | 2 | | | | | | 1 | | 2 | | | | | | | 3 | | 3 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Infiltration Cellular, Plasma Cell | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Infiltration Cellular, Polymorphonuclear | | | | 1 | | | 2 | | | | | | | | | | | | | | | | | | | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hematopoietic Cell Proliferation | | | 2 | | | | 4 | 4 | | | 4 | 3 | 2 | | 2 | | | | | | 4 | | | | 4 | | 1 |
| Hyperplasia, Lymphoid | | | | | | 2 | | 3 | | 3 | | 4 | 2 | | 3 | | 2 | 3 | | 2 | 3 | 4 | 4 | 3 | | | 3 |
| Thymus | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy | | | | | | | 3 | | | 2 | 4 | 2 | | | 4 | | | | | | | | | | | | 3 |
| Hyperplasia, Lymphoid | | | | | 1 | | | | | | | | | | | | | 1 | | | | | | | | | |

females (cont...)

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
Page 70

1-4 .. Lesion qualified as:
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2) Mild 4) Marked

TDMS No. 20311 - 02
Test Type: CHRONIC
Route: IN-UTERO
Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
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

| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 3 | 8 | 9 | 0 | 1 | 4 | 6 | 6 | 7 | 9 | 9 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 8 | 7 | 5 | 0 | 2 | 3 | 2 | 6 | 8 | 0 | 8 | 4 | 0 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 1 | 8 |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 6 | 6 |
| AZT-M/3TC-M to 0 | 6 | 0 | 1 | 2 | 2 | 4 | 7 | 7 | 9 | 1 | 5 | 7 | 8 | 0 | 4 | 4 | 5 | 5 | 5 | 5 | 2 | 2 | 1 | 2 |
| | 0 | 1 | 3 | 8 | 7 | 3 | 9 | 9 | 3 | 6 | 2 | 4 | 1 | 4 | 5 | 6 | 0 | 1 | 2 | 3 | 0 | 1 | 9 | 0 |

females
(cont...)

Peripheral Nerve

+

Spinal Cord

+

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Congestion | | | | | | | 2 | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | 1 | | | | | 3 | | 2 | 2 | | | 1 | | | | | | | 2 | 2 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | 1 | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cataract | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | 1 | 1 | | | | | 2 | | | | | | | | | | | | | |
| Acinus, Degeneration | | | | | | | 1 | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

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M .. Missing tissue

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 CAS Number: AIDSTHERAPEU

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | 3 | 8 | 9 | 0 | 1 | 4 | 6 | 6 | 7 | 9 | 9 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| | 8 | 7 | 5 | 0 | 2 | 3 | 2 | 6 | 8 | 0 | 8 | 4 | 0 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 1 | 8 | 8 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
AZT-M/3TC-M to 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | |
| | 6 | 0 | 2 | 2 | 4 | 7 | 7 | 9 | 1 | 5 | 7 | 8 | 0 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 2 | 2 | 1 | 2 | 3 | 3 | | females
(cont...) |
| | 0 | 1 | 3 | 8 | 7 | 3 | 9 | 9 | 3 | 6 | 2 | 4 | 1 | 4 | 5 | 6 | 0 | 1 | 2 | 3 | 0 | 1 | 9 | 9 | 0 | | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyaline Droplet | | | | | | | | | | | | 4 | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | 1 | 1 | 1 | | 1 | | | 1 | | 1 | | | | 1 | 2 | | | | 1 | | | | | | | | |
| Metaplasia, Osseous | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| Nephropathy | | | | | | | 1 | | | | | 1 | 1 | 1 | | 2 | | | 1 | | | | 2 | 1 | 1 | 1 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphocyte | | 1 | 1 | 1 | | | | | | 1 | 1 | | | 1 | | 2 | 2 | | | + | + | | | 1 | 1 | 1 | 1 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 73

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| DAY ON TEST | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | |
| | | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 7 | 4 | 3 | | |
| | | 8 | 8 | 9 | 9 | 8 | 6 | 3 | 0 | 0 | 0 | 2 | 2 | 2 | 3 | 2 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 0 | 1 | 9 |
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | 6 | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 |
| ANIMAL ID | | 3 | 3 | 2 | 2 | 2 | 1 | 3 | 3 | 3 | 3 | 4 | 7 | 7 | 3 | 3 | 8 | 9 | 4 | 8 | 9 | 2 | 2 | 0 | 5 | 5 |
| AZT-M/3TC-M to 0 | | 1 | 2 | 0 | 1 | 2 | 9 | 1 | 2 | 3 | 3 | 7 | 8 | 9 | 5 | 6 | 9 | 0 | 4 | 9 | 0 | 4 | 5 | 7 | 8 | 9 |

females (cont...)

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum
Hyperplasia, Lymphoid | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | 2 | + | + | + | + | + | + | + | 2 |
| Intestine Large, Colon | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | X | | | X |
| Basophilic Focus, Multiple | | | | | | | | | | | X | | | | | | | | | | | | | | |
| Clear Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Congestion | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eosinophilic Focus | | | | | | | | | | | X | | | | | | | | | | | | | | |
| Hematocyst | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 7 | 4 | 3 | |
| | 8 | 8 | 9 | 9 | 8 | 6 | 3 | 0 | 0 | 0 | 2 | 2 | 2 | 3 | 2 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 0 | 1 | 9 | |
| C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | |
| | 6 | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 1 | 2 | 2 | |
| | 3 | 3 | 2 | 2 | 2 | 1 | 3 | 3 | 3 | 3 | 4 | 7 | 7 | 3 | 3 | 8 | 9 | 4 | 8 | 9 | 2 | 2 | 0 | 5 | 5 | |
| AZT-M/3TC-M to 0 | 1 | 2 | 0 | 1 | 2 | 9 | 1 | 2 | 3 | 3 | 4 | 7 | 8 | 9 | 5 | 6 | 9 | 0 | 4 | 9 | 0 | 4 | 5 | 7 | 8 | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 1 | 1 | | | | | | | | | 2 | | 1 | 2 | 1 | 1 | | 1 | | | | | 1 | 2 | 2 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | | X | | | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tension Lipidosis | | | | | 2 | | | | | | 2 | | | 2 | | 1 | | 1 | | | | | | | | |
| Vacuolization Cytoplasmic | 1 | 2 | 3 | | | | | 2 | 2 | 2 | 2 | 1 | 1 | 2 | | | | | | | | 2 | 1 | 3 | 2 | |
| Mesentery | + | | + | | + | A | | | | | | | + | | | | | | | | | | | | | |
| Hematocyst | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Necrosis | 4 | | 4 | | 4 | | | | | | | 3 | | | | | | | | | | | | | | |
| Pancreas | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphocyte | 2 | | 2 | 1 | 1 | | | | | | 2 | | | | | 1 | | 1 | 2 | | | | | | 1 | |
| Acinus, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphocyte | 3 | 1 | 1 | 2 | 1 | | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | | | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | |
| Stomach, Forestomach | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Keratin Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

females
(cont...)

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 75

TDMS No. 20311 - 02

Test Type: CHRONIC

Route: IN-UTERO

Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | | | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 7 | 4 | 3 | | |
| | 8 | 8 | 9 | 9 | 8 | 6 | 3 | 0 | 0 | 0 | 2 | 2 | 2 | 3 | 2 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 0 | 1 | 9 | | | |
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 6 | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 |
| | 3 | 3 | 2 | 2 | 2 | 1 | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 3 | 3 | 8 | 9 | 4 | 8 | 9 | 2 | 2 | 0 | 5 | 5 | 5 | 5 | 5 |
| AZT-M/3TC-M to 0 | 1 | 2 | 0 | 1 | 2 | 9 | 1 | 2 | 3 | 4 | 7 | 8 | 9 | 5 | 6 | 9 | 0 | 4 | 9 | 0 | 4 | 5 | 7 | 8 | 9 | | | |

females (cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Accessory Adrenal Cortical Nodule | | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | 2 | | | 2 | | | | | | |
| Subcapsular, Hyperplasia | 2 | 1 | 1 | 2 | 2 | | 2 | 1 | | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 1 | 1 | 2 | | |
| Adrenal Medulla | M | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Islets, Pancreatic | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | 1 | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Parathyroid Gland | + | M | M | + | + | A | M | + | + | + | + | + | + | + | + | + | M | + | + | + | M | + | + | M | + | + | + |
| Pituitary Gland | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pars Distalis, Angiectasis | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | |
| Pars Distalis, Hyperplasia | | | | | | | | | | | 2 | | | | | | | | 2 | 2 | 2 | | | | | | |
| Thyroid Gland | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ectopic Thymus | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Page 76

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|--|--|--|--|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | |
| DAY ON TEST | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | | | | | | | | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 7 | 4 | 3 | 3 | 3 | | | | | | | | |
| | 8 | 8 | 9 | 9 | 8 | 6 | 3 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 3 | 2 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 0 | 1 | 9 | 9 | | | | | | | |
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | |
| | 6 | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | | | | | | | | |
| ANIMAL ID | 3 | 3 | 2 | 2 | 2 | 1 | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 3 | 3 | 8 | 9 | 4 | 8 | 9 | 2 | 2 | 0 | 5 | 5 | | | | | | | | |
| AZT-M/3TC-M to 0 | 1 | 2 | 0 | 1 | 2 | 9 | 1 | 2 | 3 | 4 | 7 | 8 | 9 | 5 | 6 | 9 | 0 | 4 | 9 | 0 | 4 | 5 | 7 | 8 | 9 | 9 | | | | | | | | |
| Follicle, Degeneration | 2 | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | | | | | | | | | | |
| Follicular Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | |
| Follicular Cell, Hypertrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

females (cont...)

GENERAL BODY SYSTEM

Tissue NOS

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland Degeneration | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + |
| | 3 | 4 | 4 | 4 | 4 | | 2 | 4 | 3 | 4 | 4 | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | 4 | 3 | 3 | |
| Ovary Atrophy | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | 3 | 3 | 4 | 4 | 4 | | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 4 | | | 2 | 2 |
| Ovary Cyst | | | 4 | 2 | | | | | 2 | | 4 | 4 | 4 | 4 | | | | | 3 | | 4 | | | | 4 |
| Ovary Hematocyst Bilateral, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | |
| Uterus Angiectasis | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| Uterus Hydrometra | | | | | | | | | | 4 | | | | | | | | | | | | | | | |
| Uterus Endometrium, Hyperplasia, Cystic | 4 | 2 | 3 | 3 | 2 | | 1 | 4 | | 4 | 2 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 1 | 3 | 2 |

HEMATOPOIETIC SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 7 | 4 | 3 | | |
| | 8 | 8 | 9 | 9 | 8 | 6 | 3 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 3 | 2 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 0 | 1 | 9 | | |
| C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 6 | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | |
| | 3 | 3 | 2 | 2 | 2 | 1 | 3 | 3 | 3 | 3 | 4 | 7 | 7 | 7 | 3 | 8 | 9 | 4 | 8 | 9 | 2 | 2 | 0 | 5 | 5 | 5 | | |
| AZT-M/3TC-M to 0 | 1 | 2 | 0 | 1 | 2 | 9 | 1 | 2 | 3 | 3 | 4 | 7 | 8 | 9 | 5 | 6 | 9 | 0 | 4 | 9 | 0 | 4 | 5 | 7 | 8 | 9 | | |
| Bone Marrow | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node | | | | | | | | | | | + | | | | | | + | | | | | | + | | | | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreatic, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thymus | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

females (cont...)

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked
Page 78

TDMS No. 20311 - 02

Test Type: CHRONIC

Route: IN-UTERO

Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 0 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 7 | 4 | 3 | 0 |
| | 8 | 8 | 9 | 9 | 8 | 6 | 3 | 0 | 0 | 0 | 2 | 2 | 2 | 3 | 2 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 0 | 1 | 9 |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 6 | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 1 | 1 | 2 | 2 |
| AZT-M/3TC-M to 0 | 3 | 3 | 2 | 2 | 2 | 1 | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 3 | 3 | 8 | 9 | 4 | 8 | 9 | 2 | 2 | 0 | 5 | 5 |
| ANIMAL ID | 1 | 2 | 0 | 1 | 2 | 9 | 1 | 2 | 3 | 4 | 7 | 8 | 9 | 5 | 6 | 9 | 0 | 4 | 9 | 0 | 4 | 5 | 7 | 8 | 9 |

females (cont...)

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Galactoceles | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolus, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Skin | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibro-Osseous Lesion | | | | | | | | | | | | | | | | | | | | | | | | | |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain, Brain Stem | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Compression | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| Brain, Cerebellum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Brain, Cerebrum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Mineralization | | 1 | | | | | 1 | 1 | | 1 | 1 | | 1 | | | 2 | | 1 | 1 | 1 | | | 1 | 1 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked
Page 79

TDMS No. 20311 - 02

Test Type: CHRONIC

Route: IN-UTERO

Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 7 | 4 | 3 | |
| | 8 | 8 | 9 | 9 | 8 | 6 | 3 | 0 | 0 | 0 | 2 | 2 | 2 | 3 | 2 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 0 | 1 | 9 | |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| AZT-M/3TC-M to 0 | 6 | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | |
| ANIMAL ID | 3 | 3 | 2 | 2 | 2 | 1 | 3 | 3 | 3 | 3 | 4 | 7 | 7 | 7 | 3 | 3 | 8 | 9 | 4 | 8 | 9 | 2 | 2 | 0 | 5 | 5 |
| | 1 | 2 | 0 | 1 | 2 | 9 | 1 | 2 | 3 | 3 | 4 | 7 | 8 | 9 | 5 | 6 | 9 | 0 | 4 | 9 | 0 | 4 | 5 | 7 | 8 | 9 |

females (cont...)

Peripheral Nerve

Spinal Cord

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Congestion | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | 1 | 2 | 1 | | 1 | | 1 | | | | | 1 | 1 | |
| Inflammation, Chronic Active | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | 2 | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Trachea | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cataract | | | | | | | | | | | | | | | | | | | | | | | | | |
| Harderian Gland | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cyst | | | | | | | | | | | | | | | | 2 | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| Acinus, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20311 - 02

Test Type: CHRONIC

Route: IN-UTERO

Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

| DAY ON TEST | | |
|-----------------------------------|-----------|-----------------|
| 0 | | |
| 7 | | |
| 3 | | |
| 8 | | |
| | | |
| C57BL/6N XC3H/HEN MTV-NCTR | | |
| MICE FEMALE | | |
| | ANIMAL ID | |
| | 0 | |
| | 1 | |
| | 2 | |
| | 6 | |
| | 0 | |
| AZT-M/3TC-M to 0 | | * TOTALS |

ALIMENTARY SYSTEM

| | | | |
|---|---|----|-------|
| Esophagus | + | 50 | |
| Gallbladder | + | 48 | |
| Intestine Large, Cecum
Hyperplasia, Lymphoid | + | 49 | 2 2.0 |
| Intestine Large, Colon | + | 50 | |
| Intestine Large, Rectum | + | 50 | |
| Intestine Small, Duodenum | + | 49 | |
| Intestine Small, Ileum | + | 50 | |
| Intestine Small, Jejunum | + | 48 | |
| Liver | + | 50 | |
| Angiectasis | | | 1 2.0 |
| Basophilic Focus | | | 3 |
| Basophilic Focus, Multiple | | | 1 |
| Clear Cell Focus | | | 2 |
| Congestion | | | 1 2.0 |
| Eosinophilic Focus | | | 1 |
| Hematocyst | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

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A .. Autolysis precludes evaluation

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|-----------------------------------|---|--|-----------------|
| | 0 | | |
| | 7 | | |
| | 3 | | |
| | 8 | | |
| | | | |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | | |
| MICE FEMALE | 1 | | |
| | 2 | | |
| ANIMAL ID | 6 | | |
| AZT-M/3TC-M to 0 | 0 | | |
| | | | * TOTALS |
| Hematopoietic Cell Proliferation | | | 1 4.0 |
| Infiltration Cellular, Lymphocyte | | | 17 1.3 |
| Inflammation, Chronic Active | | | 2 1.5 |
| Mixed Cell Focus | | | 2 |
| Necrosis | | | 1 4.0 |
| Tension Lipidosis | 2 | | 6 1.7 |
| Vacuolization Cytoplasmic | 3 | | 28 1.9 |
| | | | |
| Mesentery | | | 7 |
| Hematocyst | | | 1 |
| Hemorrhage | | | 1 2.0 |
| Infiltration Cellular, Lymphocyte | | | 1 3.0 |
| Fat, Necrosis | | | 6 3.7 |
| | | | |
| Pancreas | + | | 49 |
| Infiltration Cellular, Lymphocyte | | | 19 1.3 |
| Acinus, Degeneration | | | 1 1.0 |
| | | | |
| Salivary Glands | + | | 50 |
| Infiltration Cellular, Lymphocyte | 1 | | 46 1.6 |
| | | | |
| Stomach, Forestomach | + | | 50 |
| Keratin Cyst | | | 1 |
| | | | |
| Stomach, Glandular | + | | 48 |

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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TDMS No. 20311 - 02

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|-----------------------------------|-----------|--|-----------------|
| 0 | | | |
| 7 | | | |
| 3 | | | |
| 8 | | | |
| | | | |
| C57BL/6N XC3H/HEN MTV-NCTR | | | |
| MICE FEMALE | | | |
| | ANIMAL ID | | |
| | | | |
| AZT-M/3TC-M to 0 | | | * TOTALS |
| Blood Vessel | + | | 49 |
| | | | |
| Heart | + | | 50 |
| Cardiomyopathy | | | 1 2.0 |
| Mineralization | | | 1 2.0 |

ENDOCRINE SYSTEM

| | | | | |
|-----------------------------------|---|--|-----------|---------------|
| Adrenal Cortex | + | | 50 | |
| Accessory Adrenal Cortical Nodule | | | | 1 |
| Vacuolization Cytoplasmic | | | | 3 2.3 |
| Subcapsular, Hyperplasia | 1 | | | 49 1.7 |
| | | | | |
| Adrenal Medulla | + | | 47 | |
| | | | | |
| Islets, Pancreatic | + | | 49 | |
| Hyperplasia | | | | 3 1.0 |
| | | | | |
| Parathyroid Gland | + | | 40 | |
| | | | | |
| Pituitary Gland | + | | 49 | |
| Pars Distalis, Angiectasis | | | | 1 1.0 |
| Pars Distalis, Cyst | | | | 2 3.0 |
| Pars Distalis, Hyperplasia | 2 | | | 11 2.3 |
| | | | | |
| Thyroid Gland | + | | 50 | |
| Cyst | | | | 1 2.0 |
| Ectopic Thymus | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

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l .. Insufficient tissue

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|-----------------------------------|-----------|---|-----------------|
| 0 | | | |
| 7 | | | |
| 3 | | | |
| 8 | | | |
| | | | |
| C57BL/6N XC3H/HEN MTV-NCTR | | 0 | |
| MICE FEMALE | | 1 | |
| | | 2 | |
| | ANIMAL ID | 6 | |
| AZT-M/3TC-M to 0 | | 0 | |
| | | | * TOTALS |
| Follicle, Degeneration | | | 4 1.3 |
| Follicular Cell, Hyperplasia | | | 2 2.5 |
| Follicular Cell, Hypertrophy | | | 1 2.0 |

GENERAL BODY SYSTEM

| | | | |
|------------|--|--|----------|
| Tissue NOS | | | 2 |
|------------|--|--|----------|

GENITAL SYSTEM

| | | | | |
|----------------------------------|---|--|-----------|---------------|
| Clitoral Gland | + | | 49 | |
| Degeneration | | | | 45 3.8 |
| Ovary | + | | 50 | |
| Atrophy | 3 | | | 42 3.1 |
| Cyst | | | | 17 3.3 |
| Hematocyst | | | | 1 |
| Bilateral, Cyst | | | | 2 2.0 |
| Uterus | + | | 50 | |
| Angiectasis | | | | 1 2.0 |
| Hydrometra | | | | 1 4.0 |
| Endometrium, Hyperplasia, Cystic | 3 | | | 49 2.8 |

HEMATOPOIETIC SYSTEM

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+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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Page 85

1-4 .. Lesion qualified as:

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|--|---|--|-----------------|
| | 0 | | |
| | 7 | | |
| | 3 | | |
| | 8 | | |
| | | | |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | | |
| MICE FEMALE | 1 | | |
| | 2 | | |
| ANIMAL ID | 6 | | |
| AZT-M/3TC-M to 0 | 0 | | |
| | | | * TOTALS |
| Bone Marrow | + | | 50 |
| Hyperplasia | | | 3 2.7 |
| | | | |
| Lymph Node | | | 10 |
| Cyst | | | 1 4.0 |
| Hemorrhage | | | 1 4.0 |
| Lumbar, Fibrosis | | | 1 2.0 |
| Lumbar, Hyperplasia, Lymphoid | | | 1 2.0 |
| Pancreatic, Hyperplasia, Lymphoid | | | 1 2.0 |
| | | | |
| Lymph Node, Mandibular | + | | 49 |
| Hyperplasia, Lymphoid | | | 16 1.9 |
| Infiltration Cellular, Polymorphonuclear | | | 1 2.0 |
| | | | |
| Lymph Node, Mesenteric | + | | 48 |
| Hyperplasia, Lymphoid | | | 23 2.1 |
| Infiltration Cellular, Histiocyte | | | 1 4.0 |
| Infiltration Cellular, Plasma Cell | | | 2 2.5 |
| Infiltration Cellular, Polymorphonuclear | | | 2 1.5 |
| | | | |
| Spleen | + | | 50 |
| Hematopoietic Cell Proliferation | | | 17 2.9 |
| Hyperplasia, Lymphoid | | | 32 2.9 |
| | | | |
| Thymus | + | | 47 |
| Atrophy | | | 13 2.9 |
| Hyperplasia, Lymphoid | 2 | | 9 1.4 |

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|-----------------------------------|-----------|---|-----------------|
| 0 | | | |
| 7 | | | |
| 3 | | | |
| 8 | | | |
| | | | |
| C57BL/6N XC3H/HEN MTV-NCTR | | 0 | |
| MICE FEMALE | | 1 | |
| | | 2 | |
| | ANIMAL ID | 6 | |
| AZT-M/3TC-M to 0 | | 0 | |
| | | | * TOTALS |

INTEGUMENTARY SYSTEM

| | | | | |
|-----------------------|---|--|----|-------|
| Mammary Gland | + | | 50 | |
| Galactocele | | | | 1 3.0 |
| Alveolus, Hyperplasia | | | | 1 3.0 |
| | | | | |
| Skin | + | | 50 | |

MUSCULOSKELETAL SYSTEM

| | | | | |
|----------------------|---|--|----|-------|
| Bone, Femur | + | | 51 | |
| Fibro-Osseous Lesion | | | | 1 2.0 |
| | | | | |
| Skeletal Muscle | | | 1 | |

NERVOUS SYSTEM

| | | | | |
|-------------------|---|--|----|--------|
| Brain, Brain Stem | + | | 49 | |
| Compression | | | | 2 2.0 |
| | | | | |
| Brain, Cerebellum | + | | 49 | |
| | | | | |
| Brain, Cerebrum | + | | 49 | |
| Mineralization | 1 | | | 25 1.1 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

| DAY ON TEST | ANIMAL ID | * TOTALS |
|-----------------------------------|-----------|----------|
| 0 | 0 | |
| 7 | 1 | |
| 3 | 2 | |
| 8 | 6 | |
| C57BL/6N XC3H/HEN MTV-NCTR | | |
| MICE FEMALE | | |
| AZT-M/3TC-M to 0 | | |

| | | |
|------------------|--|---|
| Peripheral Nerve | | 1 |
| Spinal Cord | | 1 |

RESPIRATORY SYSTEM

| | | | |
|-----------------------------------|---|----|--------|
| Lung | + | 50 | |
| Congestion | | | 1 2.0 |
| Hemorrhage | | | 1 2.0 |
| Infiltration Cellular, Lymphocyte | | | 16 1.4 |
| Inflammation, Chronic Active | | | 1 1.0 |
| Alveolar Epithelium, Hyperplasia | | | 2 1.5 |
| Nose | + | 51 | |
| Trachea | + | 50 | |

SPECIAL SENSES SYSTEM

| | | | |
|-----------------------------------|---|----|-------|
| Eye | + | 49 | |
| Cataract | | | 1 1.0 |
| Harderian Gland | + | 50 | |
| Cyst | | | 1 2.0 |
| Infiltration Cellular, Lymphocyte | | | 4 1.3 |
| Acinus, Degeneration | | | 1 1.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 88

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20311 - 02

Test Type: CHRONIC

Route: IN-UTERO

Species/Strain: MICE/B6C3F1/NCTR

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

Lab: NCTR

| DAY ON TEST | | |
|-----------------------------------|-----------|-----------------|
| 0 | | |
| 7 | | |
| 3 | | |
| 8 | | |
| | | |
| C57BL/6N XC3H/HEN MTV-NCTR | | |
| MICE FEMALE | | |
| | ANIMAL ID | |
| | 0 | |
| | 1 | |
| | 2 | |
| | 6 | |
| AZT-M/3TC-M to 0 | 0 | |
| | | * TOTALS |

URINARY SYSTEM

| | | |
|-----------------------------------|---|--------|
| | | |
| Kidney | + | 50 |
| Hyaline Droplet | | 1 4.0 |
| Infiltration Cellular, Lymphocyte | | 17 1.1 |
| Metaplasia, Osseous | | 2 1.5 |
| Nephropathy | | 23 1.1 |
| | | |
| Urinary Bladder | + | 49 |
| Infiltration Cellular, Lymphocyte | 1 | 26 1.1 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 89

1-4 .. Lesion qualified as:

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TDMS No. 20311 - 02

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

Lab: NCTR

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 4 | 4 | 9 | 0 | 4 | 5 | 7 | 8 | 8 | 1 | 1 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 1 | 4 | 5 | 7 | 8 | 4 | 4 | 7 | 3 | 5 | 2 | 9 | 7 | 7 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 1 | 4 |
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| AZT-L/3TC-L to 0 | 2 | 6 | 6 | 0 | 3 | 6 | 8 | 1 | 2 | 2 | 8 | 9 | 0 | 2 | 4 | 4 | 4 | 5 | 0 | 0 | 5 | 5 | 5 | 9 | 2 | |
| ANIMAL ID | 8 | 2 | 3 | 5 | 2 | 8 | 0 | 4 | 2 | 8 | 5 | 8 | 9 | 8 | 7 | 8 | 9 | 0 | 4 | 5 | 4 | 5 | 6 | 8 | 2 | |

females (cont...)

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Esophagus | + A + | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gallbladder | + A + A + + + + + + + + + + M + + + + + + + + + + + + + + | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Cecum | + A + A + | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Colon | + A + A + | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Rectum | + A + A + | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Duodenum | A A + A + | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Ileum | + A + A + | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Jejunum | + A + A + | | | | | | | | | | | | | | | | | | | | | | | | | |
| Liver | + A + | | | | | | | | | | | | | | | | | | | | | | | | | |
| Basophilic Focus | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eosinophilic Focus | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 1 2 1 1 1 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 4 | 4 | 9 | 0 | 4 | 5 | 7 | 8 | 8 | 1 | 1 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 1 | 4 | 5 | 7 | 8 | 4 | 4 | 7 | 3 | 5 | 2 | 9 | 7 | 7 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 4 |
| C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| AZT-L/3TC-L to 0 | 2 | 6 | 6 | 0 | 3 | 6 | 8 | 1 | 2 | 2 | 8 | 9 | 0 | 2 | 4 | 4 | 4 | 5 | 0 | 0 | 5 | 5 | 9 | 2 |
| | 8 | 2 | 3 | 5 | 2 | 8 | 0 | 4 | 2 | 8 | 5 | 8 | 9 | 8 | 7 | 8 | 9 | 0 | 4 | 5 | 4 | 5 | 6 | 8 |

females (cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | X | | | X | | | |
| Necrosis | | | 4 | | | | | | | | | | | | | | | | | | | | | | |
| Tension Lipidosis | | | | | | | | | | | | 2 | | | 2 | | | | 1 | | 1 | | 1 | | |
| Vacuolization Cytoplasmic | | | | | 2 | | | 2 | | 4 | | 2 | | 2 | | 2 | | 1 | | 2 | | 1 | | 1 | 2 |
| Mesentery | | | | | | | | | | | + | | | | | | | | + | | | | | + | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | 4 | | | | | |
| Fat, Necrosis | | | | | | | | | 4 | | | | | | 4 | | | | | 4 | | | | 4 | |
| Pancreas | + | A | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | 1 | | | | | | 1 | | | | 1 | | 1 | | 1 | | |
| Acinus, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | + | A | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphocyte | | | 1 | | 1 | 1 | 2 | 2 | | 2 | 2 | 2 | | 3 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | |
| Stomach, Forestomach | + | A | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Epithelium, Hyperplasia | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | + | A | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia | | | | | | | | | | | 3 | | | | | | | | 2 | | | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Page 91

TDMS No. 20311 - 02

Test Type: CHRONIC

Route: IN-UTERO

Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 4 | 4 | 9 | 0 | 4 | 5 | 7 | 8 | 8 | 1 | 1 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 1 | 4 | 5 | 7 | 8 | 4 | 4 | 7 | 3 | 5 | 2 | 9 | 7 | 7 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 1 | 4 |
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 |
| AZT-L/3TC-L to 0 | 2 | 6 | 6 | 0 | 3 | 6 | 8 | 1 | 2 | 2 | 8 | 9 | 0 | 2 | 4 | 4 | 4 | 5 | 0 | 5 | 5 | 5 | 9 | 2 | 2 |
| | 8 | 2 | 3 | 5 | 2 | 8 | 0 | 4 | 2 | 8 | 5 | 8 | 9 | 8 | 7 | 8 | 9 | 0 | 4 | 5 | 4 | 5 | 6 | 8 | 2 |

females
(cont...)

Necrosis 1

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Accessory Adrenal Cortical Nodule | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Hypertrophy | | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | 1 | | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 3 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 2 |
| Adrenal Medulla | + | A | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Islets, Pancreatic | + | A | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | 1 | | | 1 |
| Parathyroid Gland | M | A | M | A | + | + | + | M | M | + | M | + | M | M | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Pituitary Gland | M | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Hyperplasia | | | | | | | | 2 | | | | | | | 3 | | | | | | | | | | |
| Thyroid Gland | + | A | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Follicle, Degeneration | | | | | | | 2 | | | | | | | | | | 2 | | | | 1 | | | | |

GENERAL BODY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as:
x .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate
l .. Insufficient tissue BLANK .. Not examined microscopically 2) Mild 4) Marked
Page 92

TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 4 | 4 | 9 | 0 | 4 | 5 | 7 | 8 | 8 | 1 | 1 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 1 | 4 | 5 | 7 | 8 | 4 | 4 | 7 | 3 | 5 | 2 | 9 | 7 | 7 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 1 | 4 |
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 |
| AZT-L/3TC-L to 0 | 8 | 2 | 3 | 5 | 2 | 8 | 0 | 4 | 2 | 8 | 5 | 8 | 9 | 2 | 4 | 4 | 4 | 5 | 0 | 5 | 0 | 5 | 5 | 6 | 8 | 2 |
| ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | | |

**females
(cont...)**

Mediastinal, Hyperplasia, Lymphoid
 Renal, Hyperplasia, Lymphoid

1 2
 2 2

Lymph Node, Mandibular
 Hyperplasia, Lymphoid
 Infiltration Cellular, Plasma Cell

+ A + A + + + M + + + + + + + + + + + + + + + + + +
 1 1 1 2 1 1

Lymph Node, Mesenteric
 Angiectasis
 Hyperplasia, Lymphoid
 Infiltration Cellular, Histiocyte
 Infiltration Cellular, Plasma Cell

+ A + A +
 2 1 2 1 2 3

Spleen
 Hematopoietic Cell Proliferation
 Hyperplasia, Lymphoid

+
 4 2 4 3 3 3 3 3 4 2 3 4 2 3 2 2 3

Thymus
 Atrophy
 Hyperplasia, Lymphoid

+ A + A + + + + + M + + + + + + + + + + + + + + + + + +
 3 2 2 2 2 2 2 2 3

INTEGUMENTARY SYSTEM

Mammary Gland

+ M M M +

Skin

+ A + M +

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 Page 94

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20311 - 02
Test Type: CHRONIC
Route: IN-UTERO
Species/Strain: MICE/B6C3F1/NCTR

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

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 4 | 4 | 9 | 0 | 4 | 5 | 7 | 8 | 8 | 1 | 1 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 1 | 4 | 5 | 7 | 8 | 4 | 4 | 7 | 3 | 5 | 2 | 9 | 7 | 7 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 1 | 4 |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AZT-L/3TC-L to 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| ANIMAL ID | 2 | 6 | 6 | 0 | 3 | 6 | 8 | 1 | 2 | 2 | 8 | 9 | 0 | 2 | 4 | 4 | 4 | 5 | 0 | 0 | 5 | 5 | 9 | 2 | |
| | 8 | 2 | 3 | 5 | 2 | 8 | 0 | 4 | 2 | 8 | 5 | 8 | 9 | 8 | 7 | 8 | 9 | 0 | 4 | 5 | 4 | 5 | 6 | 8 | |

**females
(cont...)**

MUSCULOSKELETAL SYSTEM

Bone, Femur
Fibro-Osseous Lesion

+ +

Skeletal Muscle

+

NERVOUS SYSTEM

Brain, Brain Stem

+ A +

Brain, Cerebellum

+ A +

Brain, Cerebrum
Mineralization

+ A +
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Peripheral Nerve

+

Spinal Cord

+

RESPIRATORY SYSTEM

Lung
Crystals
Infiltration Cellular, Histiocyte

+
2 2 4
2 4

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked
Page 95

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 3 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | 6 | 4 | 4 | 9 | 0 | 4 | 5 | 7 | 8 | 8 | 1 | 1 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | 1 | 4 | 5 | 7 | 8 | 4 | 4 | 7 | 3 | 5 | 2 | 9 | 7 | 7 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 1 | 4 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 |
| ANIMAL ID | 2 | 6 | 6 | 0 | 3 | 6 | 8 | 1 | 2 | 2 | 8 | 9 | 0 | 2 | 4 | 4 | 4 | 5 | 0 | 0 | 5 | 5 | 5 | 9 | 2 | | | |
| AZT-L/3TC-L to 0 | 8 | 2 | 3 | 5 | 2 | 8 | 0 | 4 | 2 | 8 | 5 | 8 | 9 | 8 | 7 | 8 | 9 | 0 | 4 | 5 | 4 | 5 | 4 | 5 | 6 | 8 | 2 | |

females
(cont...)

Infiltration Cellular, Lymphocyte Inflammation, Chronic Active Alveolar Epithelium, Hyperplasia
2 2 2 1 1 1 1

Nose I A +
Trachea + A +

SPECIAL SENSES SYSTEM

Eye A A + A +
Cataract Bilateral, Cornea, Inflammation, Chronic Active 1
Harderian Gland + A + A +
Infiltration Cellular, Lymphocyte Inflammation, Chronic Active 4

URINARY SYSTEM

Kidney + A + A +
Hyaline Droplet 4 3
Infiltration Cellular, Lymphocyte 1 1 2 1 1 1 1
Metaplasia, Osseous 1
Nephropathy 1 2 3 1 1 1 1 1 1 1

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 Page 96
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 4 | 4 | 9 | 0 | 4 | 5 | 7 | 8 | 8 | 1 | 1 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 1 | 4 | 5 | 7 | 8 | 4 | 4 | 7 | 3 | 5 | 2 | 9 | 7 | 7 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 1 | 4 |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| AZT-L/3TC-L to 0 | 2 | 6 | 6 | 0 | 3 | 6 | 8 | 1 | 2 | 2 | 8 | 9 | 0 | 2 | 4 | 4 | 4 | 5 | 0 | 0 | 5 | 5 | 5 | 9 | 2 |
| | 8 | 2 | 3 | 5 | 2 | 8 | 0 | 4 | 2 | 8 | 5 | 8 | 9 | 8 | 7 | 8 | 9 | 0 | 4 | 5 | 4 | 5 | 6 | 8 | 2 |
| Urinary Bladder | + | A | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | 1 | | | 1 | 1 | | | | | | | 1 | 1 | 1 | 1 | 1 | | | | | | 1 | 1 |
| Lumen, Dilatation | | | | | | | | | | | 3 | | | | | | | | | | | | | | |

females
(cont...)

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 97

TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

| DAY ON TEST | 0 | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|---|--|
| | 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ANIMAL ID | 0 | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
| | 5 | | | | | | | | | | | | | | | | | | | | | | | | | |
| AZT-L/3TC-L to 0 | 6 | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
| | 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | 4 | 3 | 6 | 6 | 8 | 8 | 8 | 0 | 8 | 0 | 0 | 2 | 1 | 1 | 1 | 1 | 6 | 6 | 6 | 6 | 5 | 7 | 7 | 7 | 7 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | |
| | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 0 | 1 | 1 | 1 | |
| | 2 | 6 | 7 | 7 | 3 | 3 | 3 | 7 | 7 | 2 | 2 | 8 | 8 | 8 | 8 | 3 | 3 | 3 | 4 | 9 | 2 | 2 | 2 | 2 | | |
| | 3 | 6 | 7 | 8 | 3 | 4 | 5 | 4 | 5 | 3 | 4 | 0 | 1 | 2 | 3 | 7 | 8 | 9 | 0 | 1 | 6 | 7 | 7 | 8 | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | 1 1.0 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | 1 2.0 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | 1 2.0 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | 1 2.0 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | 2 |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Eosinophilic Focus | | | | | | | X | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | 1 | | | | | | | | 1 | | 10 1.1 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 1.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20311 - 02
Test Type: CHRONIC
Route: IN-UTERO
Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|---|---|-----------------|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | | |
| | | 4 | 3 | 6 | 6 | 8 | 8 | 8 | 0 | 8 | 0 | 0 | 2 | 1 | 1 | 1 | 6 | 6 | 6 | 6 | 5 | 7 | 7 | | |
| C57BL/6N XC3H/HEN MTV-NCTR | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | |
| MICE FEMALE | | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 0 | 1 | 1 | 1 | |
| | | 2 | 6 | 7 | 7 | 3 | 3 | 3 | 7 | 7 | 2 | 2 | 8 | 8 | 8 | 8 | 3 | 3 | 4 | 9 | 2 | 2 | 2 | 2 | |
| AZT-L/3TC-L to 0 | | 3 | 6 | 7 | 8 | 3 | 4 | 5 | 4 | 5 | 3 | 4 | 0 | 1 | 2 | 3 | 7 | 8 | 9 | 0 | 1 | 6 | 7 | 8 | * TOTALS |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | 1 4.0 | | | |
| Tension Lipidosis | | | | | | | | | | | | | | | | | | | | | | 8 1.5 | | | |
| Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | 21 1.7 | | | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | 11 | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | 1 4.0 | | | |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | 9 3.8 | | | |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | 46 | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | 16 1.2 | | | |
| Acinus, Degeneration | | | | | | | | | | | | | | | | | | | | | | 1 1.0 | | | |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | 46 | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | 38 1.6 | | | |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | 46 | | | |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | 2 2.0 | | | |
| Stomach, Glandular | | | | | | | | | | | | | | | | | | | | | | 46 | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | 2 2.0 | | | |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | 2 3.0 | | | |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | | | | | | | | | | | | | | | | | | | | | | 45 | | | |
| Heart | | | | | | | | | | | | | | | | | | | | | | 48 | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Page 99

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 4 | 3 | 6 | 6 | 8 | 8 | 8 | 0 | 8 | 0 | 0 | 2 | 1 | 1 | 1 | 6 | 6 | 6 | 6 | 5 | 7 | 7 |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| AZT-L/3TC-L to 0 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 0 | 1 | 1 |
| ANIMAL ID | 2 | 6 | 7 | 7 | 3 | 3 | 3 | 7 | 7 | 2 | 2 | 8 | 8 | 8 | 8 | 3 | 3 | 4 | 9 | 2 | 2 | 2 |
| | 3 | 6 | 7 | 8 | 3 | 4 | 5 | 4 | 5 | 3 | 4 | 0 | 1 | 2 | 3 | 7 | 8 | 9 | 0 | 1 | 6 | 7 |
| | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Accessory Adrenal Cortical Nodule | | | | | | | | | | | | | | | | X | | | | | | X | 2 |
| Cyst | | | | | | | | | | | | 1 | | | | | | | | | | | 2 1.5 |
| Hypertrophy | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | 4 | | | | | 1 4.0 |
| Subcapsular, Hyperplasia | 2 | 3 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 47 1.7 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Hyperplasia | | | | | | | | | | 3 | | | | | | | | | 1 | | | | 4 1.5 |
| Parathyroid Gland | + | + | + | M | + | + | + | + | + | M | M | + | + | + | + | + | + | + | + | + | + | + | 36 |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Pars Distalis, Cyst | | | | | | 1 | | | | | | | | 2 | | | | | | | | | 2 1.5 |
| Pars Distalis, Hyperplasia | | | | | | | | | | | | | 2 | 3 | | | | 2 | | | 2 | | 6 2.3 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Follicle, Degeneration | | | | | 1 | | | | | | | | | | | | | 1 | | 2 | | | 6 1.5 |

GENERAL BODY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20311 - 02
 Test Type: CHRONIC
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 Species/Strain: MICE/B6C3F1/NCTR

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 Lab: NCTR

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 4 | 3 | 6 | 6 | 8 | 8 | 8 | 0 | 8 | 0 | 0 | 2 | 1 | 1 | 1 | 6 | 6 | 6 | 6 | 5 | 7 | 7 | 7 |
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 0 | 1 | 1 | 1 |
| | 2 | 6 | 7 | 7 | 3 | 3 | 3 | 7 | 7 | 2 | 2 | 8 | 8 | 8 | 8 | 3 | 3 | 3 | 4 | 9 | 2 | 2 | 2 |
| AZT-L/3TC-L to 0 | 3 | 6 | 7 | 8 | 3 | 4 | 5 | 4 | 5 | 3 | 4 | 0 | 1 | 2 | 3 | 7 | 8 | 9 | 0 | 1 | 6 | 7 | 8 |
| | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 44 |
| Atrophy | | | | 2 | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Degeneration | 3 | 4 | 4 | | 4 | 3 | 4 | 2 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 3 | | 2 | 3 | 4 | 3 | 3 | 41 3.7 |
| Ovary | + | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 43 |
| Atrophy | 3 | 3 | 3 | | 4 | | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | | 4 | 3 | 3 | 3 | 3 | 36 3.3 |
| Cyst | | 3 | | | | | | | | | | 3 | 2 | 4 | | | 2 | 4 | | 3 | 2 | | 13 3.0 |
| Hematocyst | | | | | | | | | | | | | | X | | | | | | | | | 3 |
| Bilateral, Cyst | | | | | | | | | | 3 | | | | | | | | | | | | | 3 2.3 |
| Fat, Necrosis | | | | | | | 4 | | | | | | | | | | | | | | | | 1 4.0 |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Hydrometra | | | | | | | | | 4 | | | | | | | | | | | | | | 1 4.0 |
| Endometrium, Hyperplasia, Cystic | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | | 3 | 2 | 2 | 2 | 2 | 2 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 41 2.6 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | + | + | 9 |
| Lumbar, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | 2 1.5 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

| | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | |
| | 4 | 3 | 6 | 6 | 8 | 8 | 8 | 0 | 8 | 0 | 0 | 2 | 1 | 1 | 1 | 6 | 6 | 6 | 6 | 5 | 7 | 7 | |
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | |
| | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 0 | 1 | 1 | |
| AZT-L/3TC-L to 0 | 2 | 6 | 7 | 7 | 3 | 3 | 3 | 7 | 7 | 2 | 2 | 8 | 8 | 8 | 8 | 3 | 3 | 4 | 9 | 2 | 2 | 2 | |
| | 3 | 6 | 7 | 8 | 3 | 4 | 5 | 4 | 5 | 3 | 4 | 0 | 1 | 2 | 3 | 7 | 8 | 9 | 0 | 1 | 6 | 7 | * TOTALS |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|------------|------------|
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | 2 | 1.5 | |
| Renal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2.0 |
| Lymph Node, Mandibular
Hyperplasia, Lymphoid
Infiltration Cellular, Plasma Cell | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | 15 | 1.5 |
| | | 4 | | | 2 | 3 | | | | 2 | | | 2 | 1 | 1 | | | | 1 | 1 | | | | 1 | 2.0 |
| Lymph Node, Mesenteric
Angiectasis
Hyperplasia, Lymphoid
Infiltration Cellular, Histiocyte
Infiltration Cellular, Plasma Cell | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | 1 | 2.0 |
| | | 2 | | | 3 | 3 | 2 | 2 | | 2 | | | 2 | 2 | 2 | 2 | 2 | | 2 | | 1 | 2 | | 20 | 2.0 |
| | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3.3 |
| Spleen
Hematopoietic Cell Proliferation
Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | 10 | 2.7 |
| | | 2 | | | | | | | | | | | 2 | | | | | | | | | | | 31 | 2.9 |
| | | 2 | 3 | 2 | 3 | 4 | 3 | 3 | 4 | | | | 2 | | 2 | 4 | 4 | 4 | 3 | | 3 | | | | |
| Thymus
Atrophy
Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | M | + | + | + | 43 | 15 | 2.5 |
| | | 3 | 2 | 2 | | 3 | 3 | | 4 | | | | | | | 3 | 2 | 3 | | | | | | 7 | 2.1 |
| | | | | | | | | 2 | | 2 | | 2 | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|
| | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | | 4 | 3 | 6 | 6 | 8 | 8 | 8 | 0 | 8 | 0 | 0 | 2 | 1 | 1 | 1 | 6 | 6 | 6 | 6 | 5 | 7 | 7 |
| C57BL/6N XC3H/HEN MTV-NCTR | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MICE FEMALE | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| | ANIMAL ID | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 0 | 1 | 1 | 1 |
| AZT-L/3TC-L to 0 | | 2 | 6 | 7 | 7 | 3 | 3 | 3 | 7 | 7 | 2 | 2 | 8 | 8 | 8 | 3 | 3 | 4 | 9 | 2 | 2 | 2 | 2 |
| | | 3 | 6 | 7 | 8 | 3 | 4 | 5 | 4 | 5 | 3 | 4 | 0 | 1 | 2 | 3 | 7 | 8 | 9 | 0 | 1 | 6 | 7 |
| | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |

MUSCULOSKELETAL SYSTEM

| | | |
|----------------------|---|--------------|
| Bone, Femur | + | 48 |
| Fibro-Osseous Lesion | 4 | 1 4.0 |
| Skeletal Muscle | | 1 |

NERVOUS SYSTEM

| | | |
|-------------------|---|---------------|
| Brain, Brain Stem | + | 47 |
| Brain, Cerebellum | + | 47 |
| Brain, Cerebrum | + | 47 |
| Mineralization | 1 | 28 1.0 |
| Peripheral Nerve | | 1 |
| Spinal Cord | | 1 |

RESPIRATORY SYSTEM

| | | |
|-----------------------------------|---|--------------|
| Lung | + | 48 |
| Crystals | | 2 3.0 |
| Infiltration Cellular, Histiocyte | | 3 2.7 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 103

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 4 | 3 | 6 | 6 | 8 | 8 | 8 | 0 | 8 | 0 | 0 | 2 | 1 | 1 | 1 | 6 | 6 | 6 | 6 | 5 | 7 | 7 | 7 |
| C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 0 | 1 | 1 | 1 |
| AZT-L/3TC-L to 0 | 2 | 6 | 7 | 7 | 3 | 3 | 3 | 7 | 7 | 2 | 2 | 8 | 8 | 8 | 8 | 3 | 3 | 4 | 9 | 2 | 2 | 2 | 2 |
| | 3 | 6 | 7 | 8 | 3 | 4 | 5 | 4 | 5 | 3 | 4 | 0 | 1 | 2 | 3 | 7 | 8 | 9 | 0 | 1 | 6 | 7 | 8 |
| | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|
| Infiltration Cellular, Lymphocyte Inflammation, Chronic Active Alveolar Epithelium, Hyperplasia | | | | | 1 | 1 | | | | | | | 1 | | 1 | 1 | | | 2 | | 1 | | | 14 1.3 |
| | | | | | | | | | | | | | | 2 | | | | | | | | | | 1 2.0 |
| | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | 46 |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Cataract | | | | | | | | | | | | | | | | | | 2 | | | | | | 1 2.0 |
| Bilateral, Cataract | | | | | 1 | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Cornea, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Infiltration Cellular, Lymphocyte Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | 2 1.5 |
| | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | | | | 2 3.5 |
| Infiltration Cellular, Lymphocyte Metaplasia, Osseous | | | | | 2 | | | | | | | | | 2 | 1 | | | | | | 1 | 1 | | 13 1.2 |
| Nephropathy | 1 | 1 | 1 | | 1 | | 1 | 1 | 1 | 2 | 1 | 1 | 1 | | | | | 1 | 2 | 1 | 1 | | | 1 1.0 |
| | | | | | | | | | | | | | | | | | | | | | | | | 26 1.2 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|
| DAY ON TEST | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | | | | | | | | | | | | | | | | | | | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | | | | | | | | | | | | | | | | | | | | |
| | 4 | 3 | 6 | 6 | 8 | 8 | 8 | 0 | 8 | 0 | 0 | 2 | 1 | 1 | 1 | 1 | 6 | 6 | 6 | 6 | 5 | 7 | 7 | 7 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | |
| MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | |
| ANIMAL ID | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 0 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | |
| AZT-L/3TC-L to 0 | 2 | 6 | 7 | 7 | 3 | 3 | 3 | 7 | 7 | 2 | 2 | 8 | 8 | 8 | 8 | 3 | 3 | 3 | 3 | 4 | 9 | 2 | 2 | 2 | | | | | | | | | | | | | | | | | | | | | |
| | 3 | 6 | 7 | 8 | 3 | 4 | 5 | 4 | 5 | 3 | 4 | 0 | 1 | 2 | 3 | 7 | 8 | 9 | 0 | 1 | 6 | 7 | 8 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | | | | | | | | | | | | | | | | | | | | | | | + | M | | | | | | | | | | | | | | | | | | | | | 45 |
| Infiltration Cellular, Lymphocyte | 1 | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 24 | 1.1 | | | | | | | | | | | | | | | | | | | | |
| Lumen, Dilatation | | | | | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3.0 | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as:
 x .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate
 I .. Insufficient tissue BLANK .. Not examined microscopically 2) Mild 4) Marked
 Page 105

TDMS No. 20311 - 02

Test Type: CHRONIC

Route: IN-UTERO

Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

| DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-----------------------------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3 | 4 | 4 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 9 | 1 | 3 | 8 | 4 | 5 | 9 | 9 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | |
| | | 3 | 2 | 3 | 6 | 4 | 4 | 4 | 4 | 6 | 7 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 4 | 8 | 7 | 0 | 0 | 0 | 0 | 0 | |
| C57BL/6N XC3H/HEN MTV-NCTR | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| MICE FEMALE | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | |
| AZTH/3TCH/NVPH/0 | | 3 | 3 | 4 | 9 | 6 | 7 | 4 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 5 | 2 | 7 | 7 | 3 | 3 | 3 | 3 | 3 | |
| | | 5 | 7 | 1 | 9 | 4 | 4 | 6 | 7 | 1 | 9 | 6 | 7 | 8 | 9 | 3 | 4 | 7 | 8 | 4 | 8 | 9 | 5 | 6 | 7 | 8 | 8 | |

females (cont...)

ALIMENTARY SYSTEM

| | |
|--|---|
| Esophagus | + A + |
| Gallbladder | + A A + + A + + + A + + + + + + + + + + + + + + + + + |
| Intestine Large, Cecum Hyperplasia, Lymphoid | + A A + + A + + + A + + + + + + + + + + + + + + + + + |
| Intestine Large, Colon | + A A + + A + + + A + + + + + + + + + + + + + + + + + |
| Intestine Large, Rectum | + A A + + A + + + A + + + + + + + + + + + + + + + + + |
| Intestine Small, Duodenum | + A A + + A + + + A + + + + + + + + + + + + + + + + + |
| Intestine Small, Ileum | + A A + + A + + + A + + + + + + + + + + + + + + + + + |
| Intestine Small, Jejunum | + A A + + A + |
| Liver | + A A + |
| Basophilic Focus | |
| Deformity | X |
| Infiltration Cellular, Lymphocyte | |
| Inflammation, Chronic Active | 1 1 1 1 X 1 1 2 2 |
| Mixed Cell Focus | |
| Necrosis | |
| Tension Lipidosis | 1 2 1 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
Page 106
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|---|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3 | 4 | 4 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 9 | 1 | 3 | 8 | 4 | 5 | 9 | 9 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | |
| | | 3 | 2 | 3 | 6 | 4 | 4 | 4 | 4 | 6 | 7 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 4 | 8 | 7 | 0 | 0 | 0 | 0 | |
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| | | 3 | 3 | 4 | 9 | 6 | 7 | 4 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 3 | 3 | 5 | 5 | 2 | 7 | 7 | 3 | 3 | 3 | 3 | 3 | 3 |
| AZTH/3TCH/NVPH/0 | | 5 | 7 | 1 | 9 | 4 | 4 | 6 | 7 | 1 | 9 | 6 | 7 | 8 | 9 | 3 | 4 | 7 | 8 | 4 | 8 | 9 | 5 | 6 | 7 | 8 | 8 | |

females (cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Vacuolization Cytoplasmic | | | | | | | | | | | 1 | | | 2 | 1 | | 1 | | | 3 | | | | | | | | 2 | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | 1 | 2 | | | 1 | 2 | | | | | 1 | 2 | 1 | | | | | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acinus, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | + | A | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphocyte | | | | 2 | 1 | 1 | 1 | 2 | 1 | | 2 | 2 | 1 | | 1 | | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 1 | 2 | | | | |
| Stomach, Forestomach | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Epithelium, Hyperplasia | | | | | | 2 | | | | | | 2 | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | + | A | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |

ENDOCRINE SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 107

TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 4 | 4 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | 9 | 1 | 3 | 8 | 4 | 5 | 9 | 9 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |
| | 3 | 2 | 3 | 6 | 4 | 4 | 4 | 4 | 6 | 7 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 4 | 8 | 7 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 |
| C57BL/6N XC3H/HEN MTV-NCTR | 3 | 3 | 4 | 9 | 6 | 7 | 4 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 5 | 5 | 2 | 7 | 7 | 3 | 3 | 3 | 3 | 3 |
| MICE FEMALE | 5 | 7 | 1 | 9 | 4 | 4 | 6 | 7 | 1 | 9 | 6 | 7 | 8 | 9 | 3 | 4 | 7 | 8 | 4 | 8 | 9 | 5 | 6 | 7 | 8 | 8 | |
| AZTH/3TCH/NVPH/0 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Accessory Adrenal Cortical Nodule | | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Hypertrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | 2 | | 2 | 2 | 1 | 2 | 3 | 2 | 2 | 2 | 3 | 1 | 2 | 1 | 2 | 2 | | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Adrenal Medulla | + | A | M | + | + | + | + | + | + | A | M | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia | | | | | | | 4 | | | | | | 1 | | | | | | 3 | | | | 1 | | | | |
| Parathyroid Gland | M | A | M | + | + | + | + | + | + | M | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland | + | A | + | + | + | + | + | + | + | A | M | M | M | + | + | M | + | + | + | + | + | + | + | + | + | + | |
| Pars Distalis, Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Pars Distalis, Hyperplasia | | | | 2 | | | | 1 | | 3 | | | | | | | | | | | | | | | | 1 | 2 |
| Thyroid Gland | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Cyst | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Follicle, Degeneration | | | | | | | | | | | | | | | 3 | | | | | | | 2 | | | | | |
| Follicular Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |

GENERAL BODY SYSTEM
 NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as:
x .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate
I .. Insufficient tissue BLANK .. Not examined microscopically 2) Mild 4) Marked

TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

| DAY ON TEST | | 0 | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|--------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | 3 4 4 5 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 9 1 3 8 4 5 9 9 1 2 3 3 3 3 3 3 3 3 3 3 3 3 4 4 4 4 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 3 2 3 6 4 4 4 4 6 7 3 3 3 3 3 3 3 3 4 8 7 0 0 0 0 | | | | | | | | | | | | | | | | | | | | | | | |
| C57BL/6N XC3H/HEN MTV-NCTR | MICE FEMALE | 0 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 0 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 0 0 0 0 1 1 2 2 3 3 4 4 4 4 4 4 4 5 5 7 7 8 8 8 8 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 3 3 4 9 6 7 4 4 1 1 0 0 0 0 3 3 5 5 2 7 7 3 3 3 3 | | | | | | | | | | | | | | | | | | | | | | | |
| AZTH/3TCH/NVPH/0 | ANIMAL ID | 5 7 1 9 4 4 6 7 1 9 6 7 8 9 3 4 7 8 9 5 6 7 8 | | | | | | | | | | | | | | | | | | | | | | | |

females
(cont...)

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland Degeneration | M | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Ovary Atrophy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + |
| Ovary Cyst | | | | 4 | 3 | 4 | 3 | 3 | 3 | 4 | 3 | 4 | 3 | | | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 |
| Ovary Infiltration Cellular, Lymphocyte | | | | | | | | | | 2 | 2 | 3 | | | | | | | | | 2 | | 2 | | | | |
| Ovary Bilateral, Cyst | | | | | 3 | | | | | | | | | | | 3 | 3 | | | | 3 | 3 | | | | 4 | |
| Ovary Parenchymal Cell, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Uterus Hydrometra | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Uterus Endometrium, Hyperplasia, Cystic | | | | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 3 | 4 | 3 | 2 | 3 | 2 | 2 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow Hyperplasia | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node Hemorrhage | | | + | | | | | | | | | | | | | | | | | | | | | | | | + |
| Lymph Node Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Lymph Node Sinus, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 4 | 4 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 9 | 1 | 3 | 8 | 4 | 5 | 9 | 9 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |
| | 3 | 2 | 3 | 6 | 4 | 4 | 4 | 4 | 6 | 7 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 4 | 8 | 7 | 0 | 0 | 0 | 0 |
| C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AZTH/3TCH/NVPH/0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 3 | 3 | 4 | 9 | 6 | 7 | 4 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AZTH/3TCH/NVPH/0 | 5 | 7 | 1 | 9 | 4 | 4 | 6 | 7 | 1 | 9 | 6 | 7 | 8 | 9 | 3 | 4 | 7 | 8 | 9 | 5 | 6 | 7 | 8 | 8 | 8 |

females (cont...)

Lymph Node, Mandibular Hyperplasia, Lymphoid Infiltration Cellular, Plasma Cell Pigmentation + + A + + + + + + A + + + + + + + + + + + + + + + + +
 2 1 2 1 1 3 2 1 2 3 2

Lymph Node, Mesenteric Hyperplasia, Lymphoid Infiltration Cellular, Plasma Cell + + A + + A +
 2 3 1 1 2 2 3 2 2 3 2

Spleen Hematopoietic Cell Proliferation Hyperplasia, Lymphoid + + A +
 4 2 2 3 2 4 3 3 3 2 4 4 4 2 4 4 4 4 4 4 4 2 3

Thymus Angiectasis Atrophy Hyperplasia, Lymphoid + + A M + M M + + + M + + + + M + + + + + + + + + + + M M
 2 2 2 2 2 3

INTEGUMENTARY SYSTEM

Mammary Gland Metaplasia, Squamous Alveolus, Hyperplasia M + A +
 2 2

Skin Fibrosis Inflammation, Chronic Active Ulcer +
 2 2 3

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

| | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------------|--|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 3 | 4 | 4 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | 9 | 1 | 3 | 8 | 4 | 5 | 9 | 9 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | 3 | 2 | 3 | 6 | 4 | 4 | 4 | 4 | 6 | 7 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 4 | 8 | 7 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 7 | 7 | 8 | 8 | 8 | |
| AZTH/3TCH/NVPH/0 | 3 | 3 | 4 | 9 | 6 | 7 | 4 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 3 | 3 | 5 | 5 | 2 | 7 | 7 | 3 | 3 | 3 | |
| | 5 | 7 | 1 | 9 | 4 | 4 | 6 | 7 | 1 | 9 | 6 | 7 | 8 | 9 | 3 | 4 | 7 | 8 | 4 | 8 | 9 | 5 | 6 | 7 | |
| | | | | | | | | | | | | | | | | | | | | | | | | 8 | |
| | | | | | | | | | | | | | | | | | | | | | | | | females (cont...) | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | + |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain, Brain Stem Compression | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Brain, Cerebellum | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Brain, Cerebrum Mineralization | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Peripheral Nerve Axon, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Spinal Cord Axon, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | 1 |

RESPIRATORY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 4 | 4 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 9 | 1 | 3 | 8 | 4 | 5 | 9 | 9 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
| | 3 | 2 | 3 | 6 | 4 | 4 | 4 | 4 | 6 | 7 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 4 | 8 | 7 | 0 | 0 | 0 |
| C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 7 | 7 | 8 | 8 | 8 |
| AZTH/3TCH/NVPH/0 | 3 | 3 | 4 | 9 | 6 | 7 | 4 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 3 | 3 | 5 | 5 | 2 | 7 | 7 | 3 | 3 | 3 |
| | 5 | 7 | 1 | 9 | 4 | 4 | 6 | 7 | 1 | 9 | 6 | 7 | 8 | 9 | 3 | 4 | 7 | 8 | 4 | 8 | 9 | 5 | 6 | 7 |

females (cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Autolysis | | | | | | | | | | 4 | | | | | | | | | | | | | | |
| Crystals | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | 1 | | | | | 1 | | 2 | 2 | | | | 2 | 1 | | | 2 | | | | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Trachea | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | A | A | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cataract | | | | | | | | | | | | | | | | | | | | | | | | |
| Cornea, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | |
| Cornea, Ulcer | | | | | | | | | | | | | | | | | | | | | | | | |
| Harderian Gland | + | A | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | | | | | 1 | | | | | | | 1 | | 1 | 2 | | | | | | | |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Infiltration Cellular, Lymphocyte | 1 | | | 2 | 1 | | | | 1 | | | | | | 1 | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 4 | 4 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 9 | 1 | 3 | 8 | 4 | 5 | 9 | 9 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |
| | 3 | 2 | 3 | 6 | 4 | 4 | 4 | 4 | 6 | 7 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 4 | 8 | 7 | 0 | 0 | 0 | 0 |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AZTH/3TCH/NVPH/0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 7 | 7 | 8 | 8 | 8 | 8 |
| ANIMAL ID | 3 | 3 | 4 | 9 | 6 | 7 | 4 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 3 | 3 | 5 | 5 | 2 | 7 | 7 | 3 | 3 | 3 | |
| | 5 | 7 | 1 | 9 | 4 | 4 | 6 | 7 | 1 | 9 | 6 | 7 | 8 | 9 | 3 | 4 | 7 | 8 | 4 | 8 | 9 | 5 | 6 | 7 | |
| Nephropathy | | | | | | | 1 | 1 | | | 1 | 2 | 1 | 1 | 1 | | 1 | | 1 | 1 | 1 | 2 | 1 | 1 | 1 |
| Urinary Bladder Infiltration Cellular, Lymphocyte | + | + | A | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| | | | | 1 | | 1 | 1 | | | 1 | | 1 | 1 | 2 | | | 1 | | | | | 1 | | 1 | |

females (cont...)

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 113

TDMS No. 20311 - 02

Test Type: CHRONIC

Route: IN-UTERO

Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|--|--|
| DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| DAY ON TEST | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | | | |
| DAY ON TEST | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | | | | | |
| DAY ON TEST | | 2 | 2 | 2 | 1 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 1 | 1 | 9 | 8 | | | | | | | | | | | | | | | | | | |
| C57BL/6N XC3H/HEN MTV-NCTR | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| MICE FEMALE | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | |
| ANIMAL ID | | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | | | | |
| AZTH/3TCH/NVPH/0 | | 4 | 5 | 6 | 7 | 1 | 2 | 3 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 2 | 3 | 4 | 5 | 9 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | | | | | | | | | | | | | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|-----|-----|
| Esophagus | + | | | | | | | | | | | | | | | | | | | | | | | 48 | | |
| Gallbladder | + | | | | | | | | | | | | | | | | | | | | | | | 45 | | |
| Intestine Large, Cecum | + | | | | | | | | | | | | | | | | | | | | | | | 45 | 1 | 2.0 |
| Hyperplasia, Lymphoid | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Colon | + | | | | | | | | | | | | | | | | | | | | | | | 45 | | |
| Intestine Large, Rectum | + | | | | | | | | | | | | | | | | | | | | | | | 45 | | |
| Intestine Small, Duodenum | + | | | | | | | | | | | | | | | | | | | | | | | 45 | | |
| Intestine Small, Ileum | + | | | | | | | | | | | | | | | | | | | | | | | 45 | | |
| Intestine Small, Jejunum | + | | | | | | | | | | | | | | | | | | | | | | | 46 | | |
| Liver | + | | | | | | | | | | | | | | | | | | | | | | | 47 | | |
| Basophilic Focus | X X | | | | | | | | | | | | | | | | | | | | | | | 7 | | |
| Deformity | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Infiltration Cellular, Lymphocyte | 1 1 | | | | | | | | | | | | | | | | | | | | | | | 16 | 1.3 | |
| Inflammation, Chronic Active | 1 | | | | | | | | | | | | | | | | | | | | | | | 3 | 1.3 | |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Tension Lipidosis | 2 2 2 1 | | | | | | | | | | | | | | | | | | | | | | | 9 | 1.6 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20311 - 02
Test Type: CHRONIC
Route: IN-UTERO
Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-----------------------------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|
| DAY ON TEST | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | | |
| | | 2 | 2 | 2 | 1 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 1 | 1 | 9 | 8 | | |
| C57BL/6N XC3H/HEN MTV-NCTR | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| MICE FEMALE | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| AZTH/3TCH/NVPH/0 | | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 2 | 2 | | |
| | | 8 | 8 | 8 | 8 | 4 | 4 | 4 | 9 | 9 | 9 | 4 | 4 | 4 | 4 | 9 | 9 | 9 | 2 | 6 | 6 | 6 | 6 | 6 | 6 | | |
| | | 4 | 5 | 6 | 7 | 1 | 2 | 3 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 2 | 3 | 4 | 5 | 9 | 1 | 2 | 3 | 4 | * TOTALS | |
| Vacuolization Cytoplasmic | | | | | | | | | | 1 | 2 | | | | | | | | | 1 | | 2 | | | | 10 1.6 | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | + | 3 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 3 4.0 | |
| Pancreas | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Infiltration Cellular, Lymphocyte | | | | 1 | | 1 | | 2 | 2 | | | | | | | | | 2 | 1 | | 1 | | | | | 47 | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | 14 1.4 | |
| Acinus, Degeneration | | | | 1 | | | | 1 | | | | | | | | 1 | | | | | | | | | | 1 1.0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 3 1.0 | |
| Salivary Glands | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Infiltration Cellular, Lymphocyte | | 1 | 1 | 2 | 1 | 1 | 1 | 1 | | 1 | | 1 | 1 | 1 | 2 | 1 | | 2 | 1 | | 1 | 2 | 1 | 1 | 1 | 46 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 38 1.3 | |
| Stomach, Forestomach | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Epithelium, Hyperplasia | | | | 2 | | | | | | | | | | | | | | | | 2 | | | | | | 47 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 4 2.0 | |
| Stomach, Glandular | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|
| Blood Vessel | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Heart | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |

ENDOCRINE SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 115

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20311 - 02
Test Type: CHRONIC
Route: IN-UTERO
Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
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

Table with columns for DAY ON TEST, ANIMAL ID, and lesion counts. Includes sub-headers for C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE and AZTH/3TCH/NVPH/0. A * TOTALS column is at the end.

GENITAL SYSTEM

Table listing genital system lesions such as Clitoral Gland Degeneration, Ovary Atrophy, Uterus Hydrometra, etc., with counts and severity grades.

HEMATOPOIETIC SYSTEM

Table listing hematopoietic system lesions such as Bone Marrow Hyperplasia, Lymph Node Hemorrhage, etc., with counts and severity grades.

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked
Page 117

TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|
| ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | |
| | 2 | 2 | 2 | 1 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 1 | 1 | 9 | 8 | | |
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 8 | 8 | 8 | 8 | 4 | 4 | 4 | 9 | 9 | 9 | 9 | 4 | 4 | 4 | 4 | 9 | 9 | 9 | 2 | 6 | 6 | 6 | 6 | 6 | | |
| AZTH/3TCH/NVPH/0 | 4 | 5 | 6 | 7 | 1 | 2 | 3 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 2 | 3 | 4 | 5 | 9 | 1 | 2 | 3 | 4 | * TOTALS | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Autolysis | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Crystals | | | | | 2 | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Infiltration Cellular, Histiocyte | | | | | 2 | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Infiltration Cellular, Lymphocyte | | | 2 | | 2 | 1 | | 2 | 2 | | | | | | | 2 | | | | | | | | | 13 1.7 |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Cataract | | | | | | | | | | | | | | | | | | | | 2 | | | | | 1 2.0 |
| Cornea, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | 3 | | | | | 1 3.0 |
| Cornea, Ulcer | | | | | | | | | | | | | | | | | | | | 3 | | | | | 1 3.0 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Infiltration Cellular, Lymphocyte | | | 1 | | | | | | | | | | | | | | | | | | | | | | 5 1.2 |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | 2 | | | 1 2.0 |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Infiltration Cellular, Lymphocyte | | | 1 | | | 1 | | 1 | | 1 | | | 1 | | | | | | 1 | | | | | | 11 1.1 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 120

TDMS No. 20311 - 02

Test Type: CHRONIC

Route: IN-UTERO

Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|--|-----------|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|-----------------|
| DAY ON TEST | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | |
| | | 2 | 2 | 2 | 1 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 1 | 1 | 9 | 8 | | |
| | | ----- | | | | | | | | | | | | | | | | | | | | | | | | |
| C57BL/6N XC3H/HEN MTV-NCTR | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| MICE FEMALE | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 2 | 2 | | |
| AZTH/3TCH/NVPH/0 | | 4 | 5 | 6 | 7 | 1 | 2 | 3 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 2 | 3 | 4 | 5 | 9 | 1 | 2 | 3 | 4 | * TOTALS |
| Nephropathy | | 1 | 1 | 1 | 1 | | | | 1 | 2 | 1 | | 1 | 2 | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 30 1.1 | |
| Urinary Bladder
Infiltration Cellular, Lymphocyte | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | |
| | | | | 2 | | 2 | 1 | 1 | 1 | | 1 | 1 | | | 1 | 1 | | 1 | 1 | | | | | | 21 1.1 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 8 | 9 | 9 | 9 | 6 | 7 | 7 | 8 | 0 | 0 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 3 | 2 | 5 | 8 | 9 | 4 | 5 | 3 | 6 | 6 | 3 | 8 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 7 |
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 |
| AZTM/3TCM/NVPM/0 | 3 | 1 | 1 | 3 | 9 | 0 | 2 | 3 | 7 | 7 | 9 | 2 | 1 | 1 | 1 | 1 | 5 | 6 | 6 | 2 | 2 | 2 | 2 | 7 | |
| | 3 | 1 | 5 | 0 | 1 | 8 | 3 | 2 | 0 | 3 | 4 | 5 | 0 | 1 | 2 | 3 | 9 | 0 | 1 | 2 | 5 | 6 | 7 | 8 | 9 |

females
(cont...)

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Gallbladder | A | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Large, Cecum
Hyperplasia, Lymphoid | A | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | 2 | + | + | + | + |
| Intestine Large, Colon | A | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Large, Rectum | A | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Small, Duodenum | A | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Small, Ileum | A | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Small, Jejunum | A | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Liver | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Basophilic Focus | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fatty Change | | | | 4 | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | 1 | | | | 1 | 2 | | 1 | | 1 | | 1 | | 1 | | | | | | | | | |
| Mixed Cell Focus | | | | X | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | | | | | | | | 2 | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 8 | 9 | 9 | 9 | 6 | 7 | 7 | 8 | 0 | 0 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 3 | 2 | 5 | 8 | 9 | 4 | 5 | 3 | 6 | 6 | 3 | 8 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 7 |
| C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 |
| AZTM/3TCM/NVPM/0 | 3 | 1 | 1 | 3 | 9 | 0 | 2 | 3 | 7 | 9 | 2 | 1 | 1 | 1 | 1 | 5 | 6 | 6 | 6 | 2 | 2 | 2 | 2 | 7 |
| | 3 | 1 | 5 | 0 | 1 | 8 | 3 | 2 | 0 | 3 | 4 | 5 | 0 | 1 | 2 | 3 | 9 | 0 | 1 | 2 | 5 | 6 | 7 | 9 |

females (cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tension Lipidosis | | | 1 | | | | | | | 1 | | | 1 | | | | 1 | 2 | | 1 | | | | |
| Vacuolization Cytoplasmic | | 2 | 1 | | | 1 | 3 | | | 1 | | | 2 | | | 1 | 1 | 1 | | | 2 | 1 | | |
| Mesentery | | | | | | | | | | + | | | + | | + | | | | | | + | | | |
| Fat, Necrosis | | | | | | | | | | 4 | | | 4 | | 3 | | | | | | 4 | | | |
| Pancreas | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | | | 2 | 1 | | 2 | | | | | 1 | 1 | 1 | | 1 | | | | | | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | 2 | 1 | | 1 | 2 | | 2 | 1 | 2 | | | 2 | 1 | 1 | | 1 | 2 | 1 | 1 | 2 | 2 | | 2 |
| Stomach, Forestomach | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | |
| Keratin Cyst | | | | | X | | | | | | | | | | | | | | | | | | | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation, Chronic Active | | 1 | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 3 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| AZTM/3TCM/NVPM/0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | | |
| | 3 | 1 | 1 | 3 | 9 | 0 | 2 | 3 | 7 | 9 | 2 | 1 | 1 | 1 | 1 | 5 | 6 | 6 | 2 | 2 | 2 | 2 | 7 | 7 | | |
| ANIMAL ID | 3 | 1 | 5 | 0 | 1 | 8 | 3 | 2 | 0 | 3 | 4 | 5 | 0 | 1 | 2 | 3 | 9 | 0 | 1 | 2 | 5 | 6 | 7 | 8 | 9 | females
(cont...) |

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | M | + | + | + |
| Atrophy | 4 | 4 | 4 | 4 | 4 | 2 | 4 | 3 | 4 | 4 | | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | | 4 | 4 | 4 |
| Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Ovary | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy | | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | | 4 |
| Cyst | | | | 2 | 2 | 3 | | 2 | | | | | | 4 | 2 | 2 | | | | 2 | | | | 3 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Cyst | | | | | | | | | | | | | | | | | | 3 | | | | 2 | | | 2 |
| Uterus | A | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hydrometra | | | | | | | | | 4 | | | | | | | | | | | | | | 4 | | |
| Endometrium, Hyperplasia, Cystic | | 2 | 3 | 3 | 2 | 4 | 3 | 3 | | 1 | | 2 | 2 | 4 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | | 3 | 2 | 3 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | A | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node | | + | + | | | | + | | | | A | | | | | | + | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

| DAY ON TEST | 0 | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | 3 5 5 5 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | | | | | | | | | | | | | | | | | | | | | | | |
| ANIMAL ID | 0 | | | | | | | | | | | | | | | | | | | | | | | |
| | 0 1 1 1 1 1 2 2 2 2 2 2 3 4 4 4 4 4 4 4 5 5 5 5 | | | | | | | | | | | | | | | | | | | | | | | |
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE | 3 1 1 3 9 0 2 3 7 7 9 2 1 1 1 1 5 6 6 6 2 2 2 7 | | | | | | | | | | | | | | | | | | | | | | | |
| | 3 1 5 0 1 8 3 2 0 3 4 5 0 1 2 3 9 0 1 2 5 6 7 8 9 | | | | | | | | | | | | | | | | | | | | | | | |

females
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Mediastinal, Hyperplasia, Lymphoid | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Infiltration Cellular, Plasma Cell | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular
Hyperplasia, Lymphoid
Infiltration Cellular, Plasma Cell | + + + + + + + + + + A + + + + + + + + + + + + + + + | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric
Angiectasis
Hematopoietic Cell Proliferation
Hyperplasia, Lymphoid
Infiltration Cellular, Plasma Cell
Sinus, Dilatation | + + + M + + + + + + A + + + + + + + + + + + + + + + | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen
Hematopoietic Cell Proliferation
Hyperplasia, Lymphoid
Thrombosis | + + + + + + + + + + A + + + + + + + + + + + + + + + | | | | | | | | | | | | | | | | | | | | | | | |
| Thymus
Atrophy
Hyperplasia, Lymphoid | + + + + + + + + + + A + + + + + + + + + + + M + + + | | | | | | | | | | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Mammary Gland
Alveolus, Hyperplasia | + + + + + + + + + + A + + + + + + + + + + + + + + + | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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 Lab: NCTR

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 8 | 9 | 9 | 9 | 6 | 7 | 7 | 8 | 0 | 0 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 3 | 2 | 5 | 8 | 9 | 4 | 5 | 3 | 6 | 6 | 3 | 8 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 7 | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 3 | 1 | 1 | 3 | 9 | 0 | 2 | 3 | 7 | 7 | 9 | 2 | 1 | 1 | 1 | 1 | 5 | 6 | 6 | 6 | 2 | 2 | 2 | 2 | 7 | 7 | 9 |

C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
AZTM/3TCM/NVPM/0

females
(cont...)

Inflammation, Chronic Active 4

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Crystals | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | | 4 | | | | | | | | | | | | | | | 1 | | | | | | | | | 2 | |
| Infiltration Cellular, Lymphocyte | | | | 1 | | 2 | 2 | 2 | 1 | | 1 | | 1 | 1 | | | 2 | | 1 | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | 2 | | | | | | 1 | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Posterior To Upper Incisor, Dysplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Trachea | A | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | A | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | M | + | |
| Cataract | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Cataract | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cornea, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Retina, Degeneration | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Harderian Gland | A | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphocyte | | | 1 | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 128

TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| DAY ON TEST | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 7 | 6 | 7 | 7 | 3 | 4 | 9 | 8 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 8 | 6 | 6 | 6 |
| | | | | | | | | | | | | | | | | | | | | | | | |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| ANIMAL ID | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 1 | 1 |
| | 8 | 1 | 3 | 3 | 3 | 6 | 8 | 8 | 3 | 4 | 4 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 3 | 3 | 3 |
| AZTM/3TCM/NVPM/0 | 0 | 7 | 6 | 7 | 8 | 9 | 0 | 1 | 9 | 0 | 1 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 4 | 5 | 0 | 1 | 2 |
| | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | 1 1.0 | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Infiltration Cellular, Lymphocyte | 2 | | | 2 | | | 1 | | | 1 | 1 | | 2 | | | 1 | 1 | 2 | 2 | | 1 | 1 | 15 |
| Nephropathy | | 1 | | | | 1 | | 1 | | | | 2 | | 1 | 1 | 2 | 2 | | 1 | | | | 22 |
| | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Infiltration Cellular, Lymphocyte | 1 | 1 | | 1 | 2 | 1 | 2 | | | 1 | | 1 | 2 | | 1 | 2 | 2 | | 1 | 1 | 1 | 1 | 25 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

| DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| DAY ON TEST | | 1 | 2 | 4 | 5 | 6 | 6 | 0 | 3 | 6 | 6 | 7 | 6 | 9 | 9 | 9 | 0 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| DAY ON TEST | | 5 | 6 | 7 | 6 | 5 | 6 | 2 | 8 | 1 | 9 | 2 | 7 | 5 | 5 | 2 | 6 | 0 | 2 | 2 | 2 | 2 | 3 | 3 |
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | |
| | ANIMAL ID | 3 | 5 | 6 | 7 | 8 | 8 | 1 | 6 | 7 | 8 | 8 | 1 | 4 | 4 | 5 | 9 | 0 | 5 | 5 | 5 | 1 | 6 | |
| AZTL/3TCL/NVPL/0 | ANIMAL ID | 8 | 4 | 9 | 9 | 1 | 5 | 9 | 5 | 7 | 4 | 9 | 0 | 8 | 9 | 8 | 0 | 6 | 1 | 2 | 3 | 4 | 4 | |

females
(cont...)

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder Cyst | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | M | + | + | + | + | + | + |
| Intestine Large, Cecum | A | + | M | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | M | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst Multilocular | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | 1 | | | | | | | | | | | | | | 1 | 1 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20311 - 02

Test Type: CHRONIC

Route: IN-UTERO

Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

| DAY ON TEST | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | females (cont...) | |
|---|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------------------|-------------------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | 1 | 2 | 4 | 5 | 6 | 6 | 0 | 3 | 6 | 6 | 7 | 6 | 9 | 9 | 9 | 0 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | 5 | 6 | 7 | 6 | 5 | 6 | 2 | 8 | 1 | 9 | 2 | 7 | 5 | 5 | 2 | 6 | 0 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | |
| AZTL/3TCL/NVPL/0 | 3 | 5 | 6 | 7 | 8 | 8 | 1 | 6 | 7 | 8 | 8 | 1 | 4 | 4 | 5 | 9 | 0 | 5 | 5 | 5 | 5 | 1 | 6 | 6 | 6 | females (cont...) |
| | 8 | 4 | 9 | 9 | 1 | 5 | 9 | 5 | 7 | 4 | 9 | 0 | 8 | 9 | 8 | 0 | 6 | 1 | 2 | 3 | 4 | 4 | 3 | 4 | 5 | |
| Tension Lipidosis | | | | | | 2 | | | | 2 | | | | | | | | | | | | 1 | 1 | | 1 | |
| Vacuolization Cytoplasmic | | 2 | 2 | | | 2 | 2 | | | | | | 1 | 2 | | 1 | 2 | 1 | 1 | 1 | 1 | | 1 | | 1 | |
| Mesentery
Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas
Cyst | A | + | + | + | + | + | + | + | A | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Infiltration Cellular, Lymphocyte
Acinus, Degeneration | | | | | | 1 | | | | | 1 | | 1 | | 1 | | | | | 2 | | 1 | 1 | 1 | 1 | |
| Salivary Glands
Infiltration Cellular, Lymphocyte | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| | | | | | 1 | 2 | 1 | | | 1 | | | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| Stomach, Forestomach
Inflammation, Chronic Active
Epithelium, Hyperplasia | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| | | | | | | 2 | | | | | | | | | | | | | | | 2 | | | | | |
| Stomach, Glandular
Epithelium, Hyperplasia | M | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Blood Vessel | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Heart | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20311 - 02
 Test Type: CHRONIC
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 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 1 | 2 | 4 | 5 | 6 | 6 | 0 | 3 | 6 | 6 | 7 | 6 | 9 | 9 | 9 | 0 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 5 | 6 | 7 | 6 | 5 | 6 | 2 | 8 | 1 | 9 | 2 | 7 | 5 | 5 | 2 | 6 | 0 | 2 | 2 | 2 | 2 | 2 | 3 | 3 |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AZTL/3TCL/NVPL/0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
| ANIMAL ID | 3 | 5 | 6 | 7 | 8 | 8 | 1 | 6 | 7 | 8 | 8 | 1 | 4 | 4 | 5 | 9 | 0 | 5 | 5 | 5 | 5 | 1 | 6 | 6 |
| | 8 | 4 | 9 | 9 | 1 | 5 | 9 | 5 | 7 | 4 | 9 | 0 | 8 | 9 | 8 | 0 | 6 | 1 | 2 | 3 | 4 | 4 | 3 | 4 |

females (cont...)

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | A | + | + | + | + | + | + | + | A | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Accessory Adrenal Cortical Nodule | | | | | | | | | | | | | | | | | | | | | | | | X |
| Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | | 2 | 2 | 3 | 2 | 1 | 2 | 2 | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 2 |
| Adrenal Medulla | M | + | M | + | + | + | + | + | A | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Islets, Pancreatic | A | + | + | + | + | + | + | + | A | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Parathyroid Gland | M | M | M | + | + | + | + | + | A | + | + | M | + | + | + | + | + | + | + | + | + | M | M | + |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Hyperplasia | | | | | | | 2 | | | | | | | | | | | 2 | 2 | | | | | 1 |
| Thyroid Gland | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Ectopic Thymus | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | |
| Follicle, Degeneration | | | | | | | | | | | | | | 2 | | | | 3 | | 1 | | | | |

GENERAL BODY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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

Lab: NCTR

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------------|---|
| DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| DAY ON TEST | | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| DAY ON TEST | | 1 | 2 | 4 | 5 | 6 | 6 | 0 | 3 | 6 | 6 | 7 | 6 | 9 | 9 | 9 | 0 | 2 | 3 | 3 | 3 | 3 | 3 |
| DAY ON TEST | | 5 | 6 | 7 | 6 | 5 | 6 | 2 | 8 | 1 | 9 | 2 | 7 | 5 | 5 | 2 | 6 | 0 | 2 | 2 | 2 | 2 | 3 |
| DAY ON TEST | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| DAY ON TEST | | 8 | 4 | 9 | 9 | 1 | 5 | 9 | 5 | 7 | 4 | 9 | 0 | 8 | 9 | 8 | 0 | 6 | 1 | 2 | 3 | 4 | 5 |
| C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| AZTL/3TCL/NVPL/0 | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | ANIMAL ID | 3 | 5 | 6 | 7 | 8 | 8 | 1 | 6 | 7 | 8 | 8 | 1 | 4 | 4 | 5 | 9 | 0 | 5 | 5 | 5 | 1 | |
| | ANIMAL ID | 8 | 4 | 9 | 9 | 1 | 5 | 9 | 5 | 7 | 4 | 9 | 0 | 8 | 9 | 8 | 0 | 6 | 1 | 2 | 3 | 4 | |
| | | | | | | | | | | | | | | | | | | | | | | females (cont...) | |

Tissue NOS

+

GENITAL SYSTEM

Clitoral Gland Atrophy Degeneration

M + + + + + + + A + + + + + + + + + + + + + + +

Ovary Atrophy Cyst Hematocyst Bilateral, Cyst

A +

Uterus Hydrometra Endometrium, Hyperplasia, Cystic

A + + + + + + + A + + + + + + + + + + + + + + +

HEMATOPOIETIC SYSTEM

Bone Marrow Hyperplasia

A + + + + + + + A + + + + + + + + + + + + + + +

Lymph Node

+ + + + + + + +

Lymph Node, Mandibular Hyperplasia, Lymphoid

A +

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
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 First Dose M/F: NA / 07/10/03
 Lab: NCTR

| DAY ON TEST | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------------|
| | 4 5 5 5 5 5 6 6 6 6 6 6 6 6 7 7 7 7 7 7 7 7 7 7 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ANIMAL ID | 1 2 4 5 6 6 0 3 6 6 7 6 9 9 9 0 2 3 3 3 3 3 3 3 3 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5 6 7 6 5 6 2 8 1 9 2 7 5 5 2 6 0 2 2 2 2 3 3 3 3 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | females (cont...) |
| MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| AZTL/3TCL/NVPL/0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | 3 | 5 | 6 | 7 | 8 | 8 | 1 | 6 | 7 | 8 | 8 | 1 | 4 | 4 | 5 | 9 | 0 | 5 | 5 | 5 | 5 | 1 | 6 | 6 | 6 | 6 | |
| Brain, Brain Stem | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Brain, Cerebellum | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Brain, Cerebrum Mineralization | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| | | | | 1 | | | 1 | 1 | | 1 | 1 | 1 | | 1 | 1 | 1 | 2 | 1 | | 1 | 1 | 1 | | | | | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | 2 | | | | | | 1 | | 1 | | 1 | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolar Epithelium, Hyperplasia | | | 2 | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Bronchiole, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Trachea | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + |
| Cataract | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Cataract | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| Cornea, Inflammation, Chronic Active | | | | | | | | | | | | 2 | | 2 | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20311 - 02

Test Type: CHRONIC

Route: IN-UTERO

Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 1 | 2 | 4 | 5 | 6 | 6 | 0 | 3 | 6 | 6 | 7 | 6 | 9 | 9 | 9 | 0 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | 5 | 6 | 7 | 6 | 5 | 6 | 2 | 8 | 1 | 9 | 2 | 7 | 5 | 5 | 2 | 6 | 0 | 2 | 2 | 2 | 2 | 3 | 3 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C57BL/6N XC3H/HEN MTV-NCTR | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| MICE FEMALE | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | |
| AZTL/3TCL/NVPL/0 | | 3 | 5 | 6 | 7 | 8 | 8 | 1 | 6 | 7 | 8 | 8 | 1 | 4 | 4 | 5 | 9 | 0 | 5 | 5 | 5 | 1 | 6 | |
| | | 8 | 4 | 9 | 9 | 1 | 5 | 9 | 5 | 7 | 4 | 9 | 0 | 8 | 9 | 8 | 0 | 6 | 1 | 2 | 3 | 4 | 4 | |

females (cont...)

Cornea, Ulcer

2

Harderian Gland
Infiltration Cellular, Lymphocyte

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | 1 | | | | | | | | | | 1 | | | | | | | | |

URINARY SYSTEM

Kidney
Amyloid Deposition
Infiltration Cellular, Lymphocyte
Metaplasia, Osseous
Nephropathy

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 4 | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 | 2 | | | 2 | 1 | | | 2 | | | | | 1 | 1 | | 1 | | 1 | | | | |
| | | | | | | | | | | | | | | | 1 | | | | | | | | |
| 4 | | | | | | | | | 1 | | | 1 | 2 | 1 | | 2 | | 1 | | 1 | 1 | 1 | |

Urinary Bladder
Infiltration Cellular, Lymphocyte

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | 1 | | | | | 2 | 1 | 1 | 2 | 1 | 1 | 1 | | 1 | | | | 1 | 1 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 4 | 3 | 1 | 5 | 6 | 6 | 7 | 3 | 3 | 0 | 9 | 9 | 9 | 1 | 1 | 0 | 0 | 3 | 4 | 4 | 4 | 4 | 4 |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| AZTL/3TCL/NVPL/0 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 0 | 0 | 0 |
| ANIMAL ID | 2 | 3 | 3 | 8 | 8 | 8 | 3 | 4 | 4 | 7 | 8 | 8 | 4 | 9 | 9 | 9 | 9 | 9 | 9 | 4 | 5 | 5 | |
| | 9 | 0 | 1 | 1 | 2 | 3 | 9 | 0 | 1 | 6 | 2 | 3 | 2 | 5 | 6 | 7 | 8 | 5 | 6 | 7 | 9 | 0 | 1 |
| | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Cyst | | | | | | | | | | 1 | | | | | | | | | | | | | 1 1.0 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Basophilic Focus | | | | | | | | | | | | | X | X | X | | | | | | | | 3 |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Cyst Multilocular | | | | | | | | | | | | | | | | | | | | | 4 | | 1 4.0 |
| Hematopoietic Cell Proliferation | | 2 | | | | | | | | | | | | | | | | | | | | 1 | 2 1.5 |
| Infiltration Cellular, Lymphocyte | | | 1 | | 1 | | 2 | | | | 1 | | 1 | | 1 | 1 | 1 | | | | 1 | | 13 1.2 |
| Inflammation, Chronic Active | | | | | | 1 | | | | | | | | | 1 | | 1 | | | | 1 | 1 | 4 1.0 |
| Necrosis | | 2 | | | | | | | | | | | | | | | | | | | | | 1 2.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| ANIMAL ID | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 4 | 3 | 1 | 5 | 6 | 6 | 7 | 3 | 3 | 0 | 9 | 9 | 9 | 1 | 1 | 0 | 0 | 3 | 4 | 4 | 4 | 4 | 4 |
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
AZTL/3TCL/NVPL/0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 0 | 0 | 0 |
| | 2 | 3 | 3 | 8 | 8 | 8 | 3 | 4 | 4 | 7 | 8 | 8 | 4 | 9 | 9 | 9 | 9 | 9 | 9 | 4 | 5 | 5 | |
| * TOTALS | 9 | 0 | 1 | 1 | 2 | 3 | 9 | 0 | 1 | 6 | 2 | 3 | 2 | 5 | 6 | 7 | 8 | 5 | 6 | 7 | 9 | 0 | 1 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|------------|
| Tension Lipidosis | | | | | | | | | | | | | | | | | | 2 | | | | | 1 | 7 | 1.4 |
| Vacuolization Cytoplasmic | 1 | 2 | | 1 | 1 | | | 2 | | | | | 1 | 2 | 1 | 3 | | 1 | | 1 | 1 | | | 26 | 1.4 |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Necrosis | | | | + | | | | | | | | | | | | | | | | | | | | 1 | 4.0 |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | 4.0 |
| Infiltration Cellular, Lymphocyte | 1 | | 1 | | 2 | | 2 | | 1 | | | | 2 | 2 | | 1 | 2 | 1 | | | | | | 20 | 1.3 |
| Acinus, Degeneration | | | 2 | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | 1.4 |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | 2.0 |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | 1 | 3 | 1.7 |
| Stomach, Glandular | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | 3.0 |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 146

TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 4 | 3 | 1 | 5 | 6 | 6 | 7 | 3 | 3 | 0 | 9 | 9 | 9 | 1 | 1 | 0 | 0 | 3 | 4 | 4 | 4 | 4 | 4 |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| ANIMAL ID | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 0 | 0 | 0 |
| AZTL/3TCL/NVPL/0 | 2 | 3 | 3 | 8 | 8 | 8 | 3 | 4 | 4 | 7 | 8 | 8 | 4 | 9 | 9 | 9 | 9 | 9 | 9 | 4 | 5 | 5 | 5 |
| | 9 | 0 | 1 | 1 | 2 | 3 | 9 | 0 | 1 | 6 | 2 | 3 | 2 | 5 | 6 | 7 | 8 | 5 | 6 | 7 | 9 | 0 | 1 |
| | * TOTALS | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Accessory Adrenal Cortical Nodule | | | | | | X | | X | | | | | | | | | | | | | X | | 4 |
| Vacuolization Cytoplasmic | | | | | | | | | | | | | | 4 | | | | | | 2 | | | 2 3.0 |
| Subcapsular, Hyperplasia | 3 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 45 1.9 |
| Adrenal Medulla | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 43 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Hyperplasia | | 3 | | | | | | | | | | | 1 | | | | | | | | | | 3 1.7 |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | M | M | + | + | M | + | + | + | + | + | + | 38 |
| Infiltration Cellular, Lymphocyte | | | | | | | | 1 | | | | | | | | | | | | | | | 1 1.0 |
| Pituitary Gland | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | 43 |
| Pars Distalis, Cyst | | | | | | | | | | | | | 3 | | | | | | | | | | 1 3.0 |
| Pars Distalis, Hyperplasia | | | | | | | | 2 | | | 2 | | | 2 | | | | | | | 1 | | 8 1.8 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Ectopic Thymus | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | 1 | 1 1.0 |
| Follicle, Degeneration | | 1 | 2 | | 1 | | | | | | | | 2 | | | | | | | | 1 | 2 | 9 1.7 |

GENERAL BODY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20311 - 02
 Test Type: CHRONIC
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 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 4 | 3 | 1 | 5 | 6 | 6 | 7 | 3 | 3 | 0 | 9 | 9 | 9 | 1 | 1 | 0 | 0 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| AZTL/3TCL/NVPL/0 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 0 | 0 | 0 |
| ANIMAL ID | 2 | 3 | 3 | 8 | 8 | 8 | 3 | 4 | 4 | 7 | 8 | 8 | 4 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 4 | 5 | 5 | |
| | 9 | 0 | 1 | 1 | 2 | 3 | 9 | 0 | 1 | 6 | 2 | 3 | 2 | 5 | 6 | 7 | 8 | 5 | 6 | 7 | 9 | 0 | 1 | |
| | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |

Tissue NOS 1

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|-------|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Degeneration | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | | | 4 | 4 | | 42 3.7 | |
| Ovary | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | |
| Atrophy | | 3 | 3 | | 4 | | 3 | | 3 | 3 | 4 | 3 | 4 | 4 | 3 | 2 | 4 | 3 | 3 | 3 | 3 | 3 | | 38 3.2 | |
| Cyst | | 4 | 3 | | 4 | | 4 | | | 4 | | 4 | | 2 | | | 2 | | | 3 | | 4 | | 21 3.2 | |
| Hematocyst | | | | | | X | | | | | | | | | | | | | | | | | | 1 | |
| Bilateral, Cyst | | | | | | | | | | 3 | | 3 | | | | | | | | | | 2 | | 5 2.8 | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | |
| Hydrometra | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Endometrium, Hyperplasia, Cystic | 2 | 3 | 3 | 3 | 4 | 2 | 2 | 3 | 3 | 3 | 4 | 3 | 3 | 1 | 3 | 2 | 1 | 2 | 3 | 2 | 3 | 3 | | 44 2.7 | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--------|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | |
| Hyperplasia | | | | | | 2 | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Lymph Node | | + | | | | | | | | | | + | | | | | | | + | | | | + | 11 | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | |
| Hyperplasia, Lymphoid | | | | | | | | | | 1 | | | | | | 2 | 2 | | | | | | | | 11 1.8 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20311 - 02
Test Type: CHRONIC
Route: IN-UTERO
Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
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

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 4 | 3 | 1 | 5 | 6 | 6 | 7 | 3 | 3 | 0 | 9 | 9 | 9 | 1 | 1 | 0 | 0 | 3 | 4 | 4 | 4 | 4 |

| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 0 | 0 |
| AZTL/3TCL/NVPL/0 | 2 | 3 | 3 | 8 | 8 | 8 | 3 | 4 | 4 | 4 | 7 | 8 | 8 | 4 | 9 | 9 | 9 | 9 | 9 | 9 | 4 | 5 |
| | 9 | 0 | 1 | 1 | 2 | 3 | 9 | 0 | 1 | 6 | 2 | 3 | 2 | 5 | 6 | 7 | 8 | 5 | 6 | 7 | 9 | 0 |

*** TOTALS**

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|------------------|
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Lymph Node, Mesenteric
Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | 46 | 10 1.8 |
| Spleen
Hematopoietic Cell Proliferation
Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | 10 3.2
25 2.7 |
| Thymus
Atrophy
Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 44 | 11 2.5
4 1.8 |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| Bone, Femur
Fibro-Osseous Lesion | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | 2 3.0 |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|

NERVOUS SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Page 149

TDMS No. 20311 - 02

Test Type: CHRONIC

Route: IN-UTERO

Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 4 | 3 | 1 | 5 | 6 | 6 | 7 | 3 | 3 | 0 | 9 | 9 | 9 | 1 | 1 | 0 | 0 | 3 | 4 | 4 | 4 | 4 |
| C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AZTL/3TCL/NVPL/0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 0 | 0 |
| | 2 | 3 | 3 | 8 | 8 | 8 | 3 | 4 | 4 | 7 | 8 | 8 | 4 | 9 | 9 | 9 | 9 | 9 | 9 | 4 | 5 | 5 |
| | 9 | 0 | 1 | 1 | 2 | 3 | 9 | 0 | 1 | 6 | 2 | 3 | 2 | 5 | 6 | 7 | 8 | 5 | 6 | 7 | 9 | 0 |
| * TOTALS | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Brain, Brain Stem | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Mineralization | | | | | 1 | 1 | | | 1 | | 1 | | 1 | | | | | 1 | 1 | 1 | | | | 25 1.0 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | 8 1.3 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 2 2.0 |
| Bronchiole, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Cataract | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Bilateral, Cataract | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Cornea, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | 2 2.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|--------------|
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | 4 | 3 | 1 | 5 | 6 | 6 | 7 | 3 | 3 | 0 | 9 | 9 | 9 | 1 | 1 | 0 | 0 | 3 | 4 | 4 | 4 | 4 | 4 | |
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | |
| | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 0 | 0 | 0 | |
| AZTL/3TCL/NVPL/0 | 2 | 3 | 3 | 8 | 8 | 8 | 3 | 4 | 4 | 7 | 8 | 8 | 4 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 4 | 5 | 5 | |
| | 9 | 0 | 1 | 1 | 2 | 3 | 9 | 0 | 1 | 6 | 2 | 3 | 2 | 5 | 6 | 7 | 8 | 5 | 6 | 7 | 9 | 0 | 1 | |
| | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
| Cornea, Ulcer | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Harderian Gland | | | | | | | | | | | | | | | | | | | | | | | 45 | |
| Infiltration Cellular, Lymphocyte | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | |
| | | | | | | | | | | | 1 | 1 | | | | | | | | | | | 1 | 5 1.0 |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | | | | | | | | | | | | | | | | | | | | | | | 48 | |
| Amyloid Deposition | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | 15 1.3 | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 | |
| Nephropathy | | | | | | | | | | | | | | | | | | | | | | | 19 1.4 | |
| Urinary Bladder | | | | | | | | | | | | | | | | | | | | | | | 47 | |
| Infiltration Cellular, Lymphocyte | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| | 2 | 1 | 2 | 1 | 1 | | | | | | 1 | | | | | | 1 | 1 | 1 | | 2 | 1 | 1 | |
| | | | | | | | | | | | | | | | | | | | | | | | 24 1.3 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20311 - 02
Test Type: CHRONIC
Route: IN-UTERO
Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

| DAY ON TEST | 0 | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------------------------------|
| | 4 5 5 6 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | | | | | | | | | | | | | | | | | | | | | | | |
| | 9 9 9 0 7 5 9 8 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 0 3 0 1 9 4 5 9 2 0 0 0 0 4 4 4 4 2 4 4 4 5 3 3 | | | | | | | | | | | | | | | | | | | | | | | |
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE | 0 | | | | | | | | | | | | | | | | | | | | | | | |
| | 0 | | | | | | | | | | | | | | | | | | | | | | | |
| | 0 1 1 1 1 1 2 2 4 5 6 6 6 9 9 9 0 0 0 0 0 0 1 1 1 | | | | | | | | | | | | | | | | | | | | | | | |
| | 4 0 2 3 9 9 5 5 4 0 7 7 8 9 9 0 0 0 9 9 9 3 3 3 | | | | | | | | | | | | | | | | | | | | | | | |
| AZTH/3TCH/NFVH/0 | 5 6 2 6 2 3 1 5 0 1 7 8 9 0 8 9 0 1 2 6 7 8 3 4 5 | | | | | | | | | | | | | | | | | | | | | | | |
| ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | A | + | + | + | + | + | + | + | + | + | + | + | 3 | + | + | + | + | + | + | + | + | + | + | + | + |
| Degeneration, Hyaline | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Cecum | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Autolysis | 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | 1 | 1 | | | 1 | | 2 | | | | 2 | | X |
| Inflammation, Chronic Active | | | | | 1 | 1 | | | | | | | 1 | | | | 2 | | | | | | | | |
| Mixed Cell Focus | | X | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
Page 152

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

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 Lab: NCTR

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 9 | 9 | 9 | 0 | 7 | 5 | 9 | 8 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 2 | 0 | 3 | 0 | 1 | 9 | 4 | 5 | 9 | 2 | 0 | 0 | 0 | 0 | 4 | 4 | 4 | 4 | 2 | 4 | 4 | 4 | 5 | 3 |
| C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 4 | 5 | 6 | 6 | 6 | 6 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| AZTH/3TCH/NFVH/0 | 4 | 0 | 2 | 3 | 9 | 9 | 5 | 5 | 4 | 0 | 7 | 7 | 7 | 8 | 9 | 9 | 0 | 0 | 0 | 9 | 9 | 9 | 3 | 3 |
| | 5 | 6 | 2 | 6 | 2 | 3 | 1 | 5 | 0 | 1 | 7 | 8 | 9 | 0 | 8 | 9 | 0 | 1 | 2 | 6 | 7 | 8 | 3 | 4 |

females
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tension Lipidosis | | | | | | | | | | | | | | | | | | | | | | | | |
| Vacuolization Cytoplasmic | | 2 | | 1 | 1 | | 1 | 1 | 2 | 1 | | | | | | | | | 2 | 2 | | | | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Necrosis | | + | | | | | | | + | | | | | + | + | | | | | | | | + | |
| | | 2 | | | | | | | 4 | | | | | 3 | 4 | | | | | | | | 4 | |
| Pancreas | | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | | | | | 1 | 2 | 1 | 1 | | 1 | 1 | | 1 | | | | 2 | | 1 | | 2 | |
| Acinus, Degeneration | | | | | | | | | | | | | | | | | | | 2 | | 1 | | | |
| Salivary Glands | | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | 2 | 2 | 2 | | 2 | 1 | 2 | 1 | | 1 | 2 | 2 | 1 | 2 | 1 | 2 | | 2 | 1 | 1 | 2 | 1 |
| Stomach, Forestomach | | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Glandular | | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel | | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart | | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 9 | 9 | 9 | 0 | 7 | 5 | 9 | 8 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 2 | 0 | 3 | 0 | 1 | 9 | 4 | 5 | 9 | 2 | 0 | 0 | 0 | 0 | 4 | 4 | 4 | 4 | 2 | 4 | 4 | 4 | 5 | 3 | 3 | | |
| C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 4 | 5 | 6 | 6 | 6 | 6 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| AZTH/3TCH/NFVH/0 | 4 | 0 | 2 | 3 | 9 | 9 | 5 | 5 | 4 | 0 | 7 | 7 | 7 | 8 | 9 | 9 | 0 | 0 | 0 | 9 | 9 | 9 | 3 | 3 | 3 | 3 | 3 |
| | 5 | 6 | 2 | 6 | 2 | 3 | 1 | 5 | 0 | 1 | 7 | 8 | 9 | 0 | 8 | 9 | 0 | 1 | 2 | 6 | 7 | 8 | 3 | 4 | 5 | | |

females (cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Adrenal Cortex | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 3 | 2 | 1 | | | |
| Adrenal Medulla | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Islets, Pancreatic | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Parathyroid Gland | M | + | + | + | + | M | + | + | + | + | + | + | M | + | + | M | + | + | + | + | M | + | + | + | + | + | + | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | |
| Pars Distalis, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thyroid Gland | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Polyarteritis | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Follicle, Degeneration | | 2 | 1 | | | | | | 2 | | | | 2 | | 2 | | | | | | | | | | | | | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Degeneration | | 4 | 3 | | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 9 | 9 | 9 | 0 | 7 | 5 | 9 | 8 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 2 | 0 | 3 | 0 | 1 | 9 | 4 | 5 | 9 | 2 | 0 | 0 | 0 | 0 | 4 | 4 | 4 | 4 | 2 | 4 | 4 | 4 | 5 | 3 |
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 4 | 5 | 6 | 6 | 6 | 6 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| AZTH/3TCH/NFVH/0 | 4 | 0 | 2 | 3 | 9 | 9 | 5 | 5 | 4 | 0 | 7 | 7 | 7 | 8 | 9 | 9 | 0 | 0 | 0 | 9 | 9 | 9 | 3 | 3 |
| ANIMAL ID | 5 | 6 | 2 | 6 | 2 | 3 | 1 | 5 | 0 | 1 | 7 | 8 | 9 | 0 | 8 | 9 | 0 | 1 | 2 | 6 | 7 | 8 | 3 | 4 |

females
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Ovary | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy | | 3 | 4 | 3 | 3 | 3 | 3 | 3 | | 4 | 3 | 3 | 3 | 4 | 4 | | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 3 | 3 |
| Cyst | | 3 | | | | 2 | 3 | | 3 | | | 3 | | 4 | | | 2 | | | | | 4 | | | |
| Bilateral, Cyst | | | | | | | | | | | 3 | 4 | | | 4 | | | | 3 | | | | | | |
| Uterus | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Autolysis | | 4 | | | | | | | | | | | | | | | | | | | | | | | |
| Hydrometra | | | | | | | | | | | | | 4 | | | | | | | | | | | | |
| Endometrium, Hyperplasia, Cystic | | 3 | 2 | 2 | 2 | 3 | 3 | 1 | 2 | 3 | 4 | 3 | 2 | | | 3 | 2 | 3 | 4 | 2 | 3 | 2 | 3 | 3 | 3 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | | | | | 2 | | | | | | | | | | | | | | | | | |
| Lymph Node | | + | | | | | | | | | | | | | | | + | | | | | | | | + |
| Lymph Node, Mandibular | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia, Lymphoid | | | | | | | 2 | | | | | 1 | | | | | | | | 1 | | 2 | 2 | | 2 |
| Lymph Node, Mesenteric | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia, Lymphoid | | | | 1 | 1 | | | 2 | | | 3 | | | 2 | | | | | | 2 | 2 | 3 | 2 | | 3 |
| Spleen | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hematopoietic Cell Proliferation | | 1 | 3 | | | 3 | 2 | 3 | | 2 | | | | | 2 | | | | | | | | | | |
| Hyperplasia, Lymphoid | | 2 | | 2 | 2 | | 3 | 3 | 3 | | 3 | | | 4 | | 2 | | | | 3 | 3 | 4 | 4 | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20311 - 02

Test Type: CHRONIC

Route: IN-UTERO

Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 9 | 9 | 9 | 0 | 7 | 5 | 9 | 8 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 2 | 0 | 3 | 0 | 1 | 9 | 4 | 5 | 9 | 2 | 0 | 0 | 0 | 0 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 3 | 3 |
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 4 | 5 | 6 | 6 | 6 | 6 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| AZTH/3TCH/NFVH/0 | 4 | 0 | 2 | 3 | 9 | 9 | 5 | 5 | 4 | 0 | 7 | 7 | 7 | 8 | 9 | 9 | 0 | 0 | 0 | 9 | 9 | 9 | 3 | 3 |
| ANIMAL ID | 5 | 6 | 2 | 6 | 2 | 3 | 1 | 5 | 0 | 1 | 7 | 8 | 9 | 0 | 8 | 9 | 0 | 1 | 2 | 6 | 7 | 8 | 3 | 4 |
| | | | | | | | | | | | | | | | | | | | | | | | | |

females
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Thymus | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy | | 4 | 2 | | | | | | 3 | 4 | 3 | | | | 3 | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | 1 | | | | | | | | | | | | | | | | | 2 | 1 | | 3 |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | A | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skin | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone, Femur | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibro-Osseous Lesion | | | | | | | | | | | | | | | 3 | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain, Brain Stem | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Brain, Cerebellum | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Brain, Cerebrum | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

| DAY ON TEST | Animals | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) | |
|---|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 4 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| 9 | 9 | 9 | 0 | 7 | 5 | 9 | 8 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | |
| 2 | 0 | 3 | 0 | 1 | 9 | 4 | 5 | 9 | 2 | 0 | 0 | 0 | 0 | 4 | 4 | 4 | 4 | 4 | 2 | 4 | 4 | 4 | 5 | 3 | 3 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE | Animals | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 4 | 5 | 6 | 6 | 6 | 6 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | |
| 4 | 0 | 2 | 3 | 9 | 9 | 5 | 5 | 4 | 0 | 7 | 7 | 7 | 8 | 9 | 9 | 0 | 0 | 0 | 9 | 9 | 9 | 3 | 3 | 3 | | |
| 5 | 6 | 2 | 6 | 2 | 3 | 1 | 5 | 0 | 1 | 7 | 8 | 9 | 0 | 8 | 9 | 0 | 1 | 2 | 6 | 7 | 8 | 3 | 4 | 5 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AZTH/3TCH/NFVH/0 | Animals | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Lung | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Crystals | | | | 2 | 4 | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | | | | 2 | 4 | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | 1 | | | | | | | | | | | 2 | | 2 | | | | 2 | | | | | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nose | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| Trachea | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Eye | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Cataract | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| Metaplasia, Squamous | | | | | | | | | | | | | | 2 | | | | | | | | | | | |
| Cornea, Inflammation, Chronic Active | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| Harderian Gland | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphocyte | | | | 1 | | | | | | | | | | 1 | | | | | | | | | | | |
| Acinus, Hyperplasia | | | | | | | | | | | | 3 | | | | | | | | | | | | | |

URINARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
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 1-4 .. Lesion qualified as:
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TDMS No. 20311 - 02
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 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

| DAY ON TEST | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 5 5 6 6 6 6 6 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ANIMAL ID | 9 9 9 0 7 5 9 8 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 0 3 0 1 9 4 5 9 2 0 0 0 0 4 4 4 4 2 4 4 4 4 5 3 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AZTH/3TCH/NFVH/0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 4 | 5 | 6 | 6 | 6 | 6 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| | 4 | 0 | 2 | 3 | 9 | 9 | 5 | 5 | 4 | 0 | 7 | 7 | 7 | 8 | 9 | 9 | 0 | 0 | 0 | 0 | 9 | 9 | 9 | 3 | 3 | 3 | 3 | 3 | |
| | 5 | 6 | 2 | 6 | 2 | 3 | 1 | 5 | 0 | 1 | 7 | 8 | 9 | 0 | 8 | 9 | 0 | 1 | 2 | 6 | 7 | 8 | 3 | 4 | 5 | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia, Lymphoid | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | 1 | | | 1 | 1 | | | 1 | | | | | | 1 | | | | | | | 1 | | | 1 | | | | |
| Nephropathy | | | | 1 | | | | 3 | 1 | | 1 | 1 | 2 | 1 | | | | | | 1 | | | | 1 | | 1 | 1 | | 1 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Urinary Bladder | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | | 1 | | | 1 | 1 | 1 | | | | | | 2 | | 2 | | | | | | 2 | | 1 | | | | 1 |

females
(cont...)

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 158

| DAY ON TEST | | |
|-----------------------------------|---|-----------------|
| 0 | | |
| 7 | | |
| 4 | | |
| 3 | | |
| | | |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | |
| MICE FEMALE | 1 | |
| | 1 | |
| ANIMAL ID | 3 | |
| AZTH/3TCH/NFVH/0 | 6 | |
| | | * TOTALS |

ALIMENTARY SYSTEM

| | | | | |
|-----------------------------------|---|--|----|-------|
| Esophagus | + | | 25 | |
| Gallbladder | + | | 25 | |
| Degeneration, Hyaline | | | | 1 3.0 |
| Infiltration Cellular, Lymphocyte | | | | 1 1.0 |
| Intestine Large, Cecum | + | | 25 | |
| Intestine Large, Colon | + | | 25 | |
| Intestine Large, Rectum | + | | 25 | |
| Intestine Small, Duodenum | + | | 25 | |
| Intestine Small, Ileum | + | | 25 | |
| Intestine Small, Jejunum | + | | 25 | |
| Liver | + | | 26 | |
| Autolysis | | | | 1 4.0 |
| Basophilic Focus | | | | 1 |
| Eosinophilic Focus | | | | 1 |
| Infiltration Cellular, Lymphocyte | 1 | | | 6 1.3 |
| Inflammation, Chronic Active | | | | 4 1.3 |
| Mixed Cell Focus | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20311 - 02

Test Type: CHRONIC

Route: IN-UTERO

Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

| DAY ON TEST | | | |
|-----------------------------------|-----------|---|-----------------|
| 0 | | | |
| 7 | | | |
| 4 | | | |
| 3 | | | |
| | | | |
| C57BL/6N XC3H/HEN MTV-NCTR | | 0 | |
| MICE FEMALE | | 1 | |
| | | 1 | |
| | ANIMAL ID | 3 | |
| AZTH/3TCH/NFVH/0 | | 6 | |
| | | | * TOTALS |
| Tension Lipidosis | | | 3 2.0 |
| Vacuolization Cytoplasmic | | | 11 1.3 |
| | | | |
| Mesentery | | | 5 |
| Fat, Necrosis | | | 5 3.4 |
| | | | |
| Pancreas | + | | 25 |
| Infiltration Cellular, Lymphocyte | | | 10 1.3 |
| Acinus, Degeneration | | | 2 1.5 |
| | | | |
| Salivary Glands | + | | 25 |
| Infiltration Cellular, Lymphocyte | 1 | | 21 1.5 |
| | | | |
| Stomach, Forestomach | + | | 25 |
| | | | |
| Stomach, Glandular | + | | 25 |

CARDIOVASCULAR SYSTEM

| | | | |
|----------------|---|--|--------------|
| Blood Vessel | + | | 25 |
| | | | |
| Heart | + | | 25 |
| Cardiomyopathy | 1 | | 1 1.0 |

ENDOCRINE SYSTEM

.....

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 160

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

| DAY ON TEST | | | |
|-----------------------------------|-----------|---|-----------------|
| 0 | | | |
| 7 | | | |
| 4 | | | |
| 3 | | | |
| | | | |
| C57BL/6N XC3H/HEN MTV-NCTR | | 0 | |
| MICE FEMALE | | 1 | |
| | | 1 | |
| | ANIMAL ID | 3 | |
| AZTH/3TCH/NFVH/0 | | 6 | |
| | | | * TOTALS |
| Adrenal Cortex | + | | 25 |
| Cyst | | | 1 1.0 |
| Subcapsular, Hyperplasia | 1 | | 25 1.8 |
| | | | |
| Adrenal Medulla | + | | 25 |
| | | | |
| Islets, Pancreatic | + | | 25 |
| | | | |
| Parathyroid Gland | + | | 21 |
| Cyst | | | 1 2.0 |
| Infiltration Cellular, Lymphocyte | | | 1 1.0 |
| | | | |
| Pituitary Gland | + | | 23 |
| Pars Distalis, Hyperplasia | | | 2 2.0 |
| | | | |
| Thyroid Gland | + | | 25 |
| Infiltration Cellular, Lymphocyte | | | 1 1.0 |
| Polyarteritis | | | 1 2.0 |
| Follicle, Degeneration | | | 7 1.7 |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | |
|----------------|---|--|--------|
| Clitoral Gland | + | | 25 |
| Degeneration | 3 | | 24 3.8 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20311 - 02

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Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

| DAY ON TEST | | | |
|-----------------------------------|-----------|---|-----------------|
| 0 | | | |
| 7 | | | |
| 4 | | | |
| 3 | | | |
| | | | |
| C57BL/6N XC3H/HEN MTV-NCTR | | 0 | |
| MICE FEMALE | | 1 | |
| | | 1 | |
| | ANIMAL ID | 3 | |
| AZTH/3TCH/NFVH/0 | | 6 | |
| | | | * TOTALS |
| Inflammation, Suppurative | | | 1 1.0 |
| | | | |
| Ovary | + | | 25 |
| Atrophy | 3 | | 23 3.3 |
| Cyst | | | 8 3.0 |
| Bilateral, Cyst | | | 4 3.5 |
| | | | |
| Uterus | + | | 26 |
| Autolysis | | | 1 4.0 |
| Hydrometra | 4 | | 2 4.0 |
| Endometrium, Hyperplasia, Cystic | | | 22 2.6 |

HEMATOPOIETIC SYSTEM

| | | | | |
|----------------------------------|---|--|-----------|---------------|
| Bone Marrow | + | | 25 | |
| Hyperplasia | | | | 1 2.0 |
| | | | | |
| Lymph Node | | | 3 | |
| | | | | |
| Lymph Node, Mandibular | + | | 25 | |
| Hyperplasia, Lymphoid | | | | 6 1.7 |
| | | | | |
| Lymph Node, Mesenteric | + | | 25 | |
| Hyperplasia, Lymphoid | 2 | | | 11 2.1 |
| | | | | |
| Spleen | + | | 25 | |
| Hematopoietic Cell Proliferation | 1 | | | 8 2.1 |
| Hyperplasia, Lymphoid | 3 | | | 14 2.9 |

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M .. Missing tissue

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| DAY ON TEST | | | |
|-----------------------------------|-----------|---|-----------------|
| 0 | | | |
| 7 | | | |
| 4 | | | |
| 3 | | | |
| | | | |
| C57BL/6N XC3H/HEN MTV-NCTR | | 0 | |
| MICE FEMALE | | 1 | |
| | | 1 | |
| | ANIMAL ID | 3 | |
| AZTH/3TCH/NFVH/0 | | 6 | |
| | | | * TOTALS |

| | | | | |
|-----------------------|---|--|-----------|--------------|
| Thymus | + | | 25 | |
| Atrophy | 3 | | | 7 3.1 |
| Hyperplasia, Lymphoid | | | | 4 1.8 |

INTEGUMENTARY SYSTEM

| | | | | |
|---------------|---|--|-----------|--|
| Mammary Gland | + | | 24 | |
| Skin | + | | 25 | |

MUSCULOSKELETAL SYSTEM

| | | | | |
|----------------------|---|--|-----------|--------------|
| Bone, Femur | + | | 26 | |
| Fibro-Osseous Lesion | | | | 1 3.0 |

NERVOUS SYSTEM

| | | | | |
|-----------------------------------|---|--|-----------|--------------|
| Brain, Brain Stem | + | | 25 | |
| Brain, Cerebellum | + | | 25 | |
| Infiltration Cellular, Lymphocyte | | | | 1 1.0 |
| Vacuolization Cytoplasmic | | | | 1 1.0 |
| Brain, Cerebrum | + | | 25 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

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TDMS No. 20311 - 02

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Species/Strain: MICE/B6C3F1/NCTR

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Time Report Requested: 16:30:20

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

Lab: NCTR

| DAY ON TEST | 0 | 7 | 4 | 3 | |
|-----------------------------------|---|---|---|---|-----------------|
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 1 | 1 | 3 | |
| MICE FEMALE | 1 | 1 | 3 | 6 | |
| AZTH/3TCH/NFVH/0 | | | | | * TOTALS |

Mineralization

5 1.0

RESPIRATORY SYSTEM

| | | | |
|-----------------------------------|---|----|-------|
| Lung | + | 25 | |
| Crystals | | | 2 3.0 |
| Infiltration Cellular, Histiocyte | | | 2 3.0 |
| Infiltration Cellular, Lymphocyte | | | 4 1.8 |
| Alveolar Epithelium, Hyperplasia | | | 1 1.0 |
| Nose | + | 26 | |
| Trachea | + | 25 | |

SPECIAL SENSES SYSTEM

| | | | |
|--------------------------------------|---|----|-------|
| Eye | + | 25 | |
| Cataract | | | 1 1.0 |
| Metaplasia, Squamous | | | 1 2.0 |
| Cornea, Inflammation, Chronic Active | | | 1 1.0 |
| Harderian Gland | + | 25 | |
| Infiltration Cellular, Lymphocyte | | | 2 1.0 |
| Acinus, Hyperplasia | | | 1 3.0 |

URINARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

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2) Mild 4) Marked

TDMS No. 20311 - 02

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Species/Strain: MICE/B6C3F1/NCTR

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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

| DAY ON TEST | | 0 | 7 | 4 | 3 | |
|-----------------------------------|-----------|---|---|---|---|-----------------|
| C57BL/6N XC3H/HEN MTV-NCTR | | 0 | | | | |
| | | 1 | | | | |
| | | 1 | | | | |
| | ANIMAL ID | 3 | | | | |
| AZTH/3TCH/NFVH/0 | | 6 | | | | * TOTALS |
| Kidney | + | | | | | 25 |
| Hyperplasia, Lymphoid | | | | | | 1 2.0 |
| Infiltration Cellular, Lymphocyte | | | | | | 5 1.0 |
| Nephropathy | 1 | | | | | 12 1.3 |
| Urinary Bladder | + | | | | | 25 |
| Infiltration Cellular, Lymphocyte | | | | | | 10 1.3 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 165

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 | 5 | 6 | 6 | 3 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 0 | 9 | 1 | 4 | 6 | 6 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 2 | 7 | 0 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 9 | 9 | 0 | 9 | 9 | 1 | 1 | 1 | 1 | 2 |
| C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 1 | 1 | 1 | 1 | 1 | 1 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |
| AZTM/3TCM/NFVM/0 | 7 | 8 | 5 | 7 | 6 | 6 | 1 | 2 | 3 | 5 | 6 | 2 | 7 | 4 | 5 | 6 | 3 | 4 | 5 | 9 | 0 | 1 | 2 | 6 |

females (cont...)

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum
Hyperplasia, Lymphoid | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 2 | + | + | + | 2 |
| Intestine Large, Colon | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Autolysis | | | | | | | | | | | | | | | | | | | | | | | | |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | X | | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | X | X | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Infiltration Cellular, Lymphocyte | 1 | | 2 | | | | 1 | 1 | 1 | | | | | | | | | 1 | | | 2 | 1 | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | 2 | 1 | 2 | | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
x .. Lesion present
l .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
Page 166
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20311 - 02

Test Type: CHRONIC

Route: IN-UTERO

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Date Report Requested: 06/29/2009

Time Report Requested: 16:30:20

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

Lab: NCTR

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| | 6 | 5 | 6 | 6 | 3 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | 0 | 9 | 1 | 4 | 6 | 6 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | 2 | 7 | 0 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 9 | 9 | 0 | 9 | 9 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 1 | 1 | 1 | 1 | 1 | 1 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | |
| AZTM/3TCM/NFVM/0 | 7 | 8 | 5 | 7 | 6 | 6 | 1 | 2 | 3 | 5 | 6 | 2 | 7 | 4 | 5 | 6 | 3 | 4 | 4 | 5 | 9 | 0 | 1 | 2 | 6 | 7 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |

females
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tension Lipidosis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vacuolization Cytoplasmic | 2 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acinus, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphocyte | 2 | | 2 | 1 | | | 2 | 2 | 1 | 3 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | | 1 | 1 | 2 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
Page 167
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 | 5 | 6 | 6 | 3 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | 0 | 9 | 1 | 4 | 6 | 6 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | 2 | 7 | 0 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 9 | 9 | 0 | 9 | 9 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 1 | 1 | 3 | 6 | 7 | 8 | 8 | 8 | 8 | 2 | 2 | 2 | 8 | 8 | 8 | 8 | 4 | 4 | 4 | 9 | 0 | 0 | 4 | 4 | 4 | 4 |
| AZTM/3TCM/NFVM/0 | 7 | 8 | 5 | 7 | 6 | 6 | 1 | 2 | 3 | 5 | 6 | 7 | 4 | 5 | 6 | 3 | 4 | 5 | 9 | 0 | 1 | 2 | 6 | 7 | 8 | |

females
(cont...)

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Accessory Adrenal Cortical Nodule | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | | | | | | | | | | 3 | | | | | | | | | | | | | | | |
| Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | 2 | 2 | 1 | 2 | 1 | | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 3 | 1 | 2 | 2 | 2 | 2 |
| Adrenal Medulla | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | + | + | + | + | + | A | + | M | + | + | + | + | + | + | + | M | + | M | + | + | + | + | + | + | M |
| Pituitary Gland | + | + | + | + | + | A | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + |
| Pars Distalis, Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Hyperplasia | | | | 1 | | | | | | 2 | | | | | | | | | | | | | | | 2 |
| Pars Distalis, Hyperplasia | | | | | | | | | | | 1 | | | | | 2 | | | | | | | | | 2 |
| Thyroid Gland | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cyst | | | | | | | | | | | 2 | | | | | | | | | | | | | | 2 |
| Ectopic Thymus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Follicle, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 Page 168
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20311 - 02

Test Type: CHRONIC

Route: IN-UTERO

Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 | 5 | 6 | 6 | 3 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 0 | 9 | 1 | 4 | 6 | 6 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 2 | 7 | 0 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 9 | 9 | 0 | 9 | 9 | 1 | 1 | 1 | 1 | 2 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| AZTM/3TCM/NFVM/0 | 1 | 1 | 3 | 6 | 7 | 8 | 8 | 8 | 8 | 2 | 2 | 2 | 8 | 8 | 8 | 4 | 4 | 4 | 9 | 0 | 0 | 4 | 4 | 4 |
| | 7 | 8 | 5 | 7 | 6 | 6 | 1 | 2 | 3 | 5 | 6 | 7 | 4 | 5 | 6 | 3 | 4 | 5 | 9 | 0 | 1 | 2 | 6 | 7 |

females
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Hyperplasia | 3 | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node
Lumbar, Cyst
Lumbar, Inflammation, Chronic Active | + M + + + | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular
Hyperplasia, Lymphoid | + | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric
Hyperplasia, Lymphoid
Infiltration Cellular, Histiocyte
Infiltration Cellular, Plasma Cell | + | | | | | | | | | | | | | | | | | | | | | | |
| Spleen
Autolysis
Hematopoietic Cell Proliferation
Hemorrhage
Hyperplasia, Lymphoid
Necrosis | + + + + + A + | | | | | | | | | | | | | | | | | | | | | | |
| Thymus
Atrophy
Hyperplasia, Lymphoid | + | | | | | | | | | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Mammary Gland | + + + + + A + | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20311 - 02

Test Type: CHRONIC

Route: IN-UTERO

Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 | 5 | 6 | 6 | 3 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | 0 | 9 | 1 | 4 | 6 | 6 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | 2 | 7 | 0 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 9 | 9 | 0 | 9 | 9 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 1 | 1 | 1 | 1 | 1 | 1 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | |
| AZTM/3TCM/NFVM/0 | 1 | 1 | 3 | 6 | 7 | 8 | 8 | 8 | 8 | 2 | 2 | 8 | 8 | 8 | 8 | 4 | 4 | 4 | 9 | 0 | 0 | 0 | 4 | 4 | 4 | |
| | 7 | 8 | 5 | 7 | 6 | 6 | 1 | 2 | 3 | 5 | 6 | 7 | 4 | 5 | 6 | 3 | 4 | 5 | 9 | 0 | 1 | 2 | 6 | 7 | 8 | |

females (cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Infiltration Cellular, Lymphocyte | 2 | | | | | | | | | 1 | | | | | | | | | | | | | | | 2 |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | 3 | | | | | | | | |
| Nose | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Trachea | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Cataract | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Bilateral, Cataract | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Harderian Gland | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | | | | | 1 | | 1 | 1 | | 1 | | | | | | | | | | | | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hydronephrosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 1 | 2 | 1 | 1 | | | 2 | 1 | 1 | | | 1 | | | | | | | | | | 1 | 2 | 1 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nephropathy | | | | | | | 1 | | | | | 2 | 1 | | 1 | 1 | 1 | | | | 1 | | 1 | | |
| Urinary Bladder | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 6 | 5 | 6 | 6 | 3 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 0 | 9 | 1 | 4 | 6 | 6 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | |
| | 2 | 7 | 0 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 9 | 9 | 0 | 9 | 9 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 1 | 1 | 1 | 1 | 1 | 1 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | | |
| AZTM/3TCM/NFVM/0 | 1 | 1 | 3 | 6 | 7 | 8 | 8 | 8 | 8 | 2 | 2 | 2 | 8 | 8 | 8 | 4 | 4 | 4 | 4 | 9 | 0 | 0 | 0 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | 7 | 8 | 5 | 7 | 6 | 6 | 1 | 2 | 3 | 5 | 6 | 7 | 4 | 5 | 6 | 3 | 4 | 5 | 9 | 0 | 1 | 2 | 6 | 7 | 8 | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 2 | | | 1 | | | | | | 1 | 1 | | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | | | | | | | | | | | 1 | | | | |

females (cont...)

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
x .. Lesion present
l .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
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1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Page 173

TDMS No. 20311 - 02
 Test Type: CHRONIC
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 First Dose M/F: NA / 07/10/03
 Lab: NCTR

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|--|
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 9 | 5 | 5 | 9 | 0 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | |
| | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 6 | 6 | 3 | 6 | 8 | 1 | 8 | 3 | 0 | 0 | 0 | 0 | 9 | 9 | 9 | 9 | 8 | |
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| AZTM/3TCM/NFVM/0 | 9 | 3 | 4 | 2 | 3 | 4 | 5 | 7 | 8 | 1 | 2 | 4 | 3 | 7 | 2 | 8 | 9 | 0 | 1 | 4 | 8 | 9 | 7 | 8 | * TOTALS | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------------------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Intestine Large, Cecum
Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47
2 2.0 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Autolysis | | | | | | | | | | | 4 | | | | | | | | | | | | | | | 1 4.0 |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | X | | | | 2 |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Eosinophilic Focus | | | | | | | | X | | | | | | | | | | | | | | | | | | 3 |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | 1 | | | | | | | | | | | 2 1.0 |
| Infiltration Cellular, Lymphocyte | 1 | | | | 1 | 1 | | | | | 1 | | | | 1 | | | | | | 2 | | | 1 | | 15 1.2 |
| Inflammation, Chronic Active | | 1 | | | | 1 | | | | | | | | | 1 | | | | | | | | | | | 7 1.3 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

| DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
|---|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|--------------|--|
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 9 | 5 | 5 | 9 | 0 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | | | |
| | | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 6 | 6 | 3 | 6 | 8 | 1 | 8 | 3 | 0 | 0 | 0 | 0 | 9 | 9 | 9 | 9 | 8 | | |
| C57BL/6N XC3H/HEN MTV-NCTR | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| MICE FEMALE | | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| AZTM/3TCM/NFVM/0 | ANIMAL ID | 4 | 0 | 0 | 5 | 5 | 5 | 3 | 3 | 9 | 0 | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 7 | | | | |
| | | 9 | 3 | 4 | 2 | 3 | 4 | 5 | 7 | 8 | 1 | 2 | 4 | 3 | 7 | 2 | 8 | 9 | 0 | 1 | 4 | 8 | 9 | 7 | 8 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
| Alveolus, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 3 2.0 | | |
| Skin | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone, Femur | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain, Brain Stem
Compression | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 3 3.0 | |
| Brain, Cerebellum
Ventricle, Dilatation | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Brain, Cerebrum
Mineralization
Ventricle, Dilatation | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| | | | | | 1 | 1 | 1 | | | 1 | | | | | | 1 | 1 | | | 1 | 1 | 1 | 1 | | 18 1.0 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | | |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lung
Congestion
Crystals
Infiltration Cellular, Histiocyte | | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | 47 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | | |
| | | | | | | | | | | | 2 | | | | | | | | | | 2 | | | | 4 2.0 | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20311 - 02

Test Type: CHRONIC

Route: IN-UTERO

Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|--|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| DAY ON TEST | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 9 | 5 | 5 | 9 | 0 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | | |
| | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 6 | 6 | 3 | 6 | 8 | 1 | 8 | 3 | 0 | 0 | 0 | 0 | 9 | 9 | 9 | 9 | 8 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| MICE FEMALE | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| ANIMAL ID | 4 | 0 | 0 | 5 | 5 | 5 | 5 | 3 | 3 | 9 | 0 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 7 | |
| AZTM/3TCM/NFVM/0 | 9 | 3 | 4 | 2 | 3 | 4 | 5 | 7 | 8 | 1 | 2 | 4 | 3 | 7 | 2 | 8 | 9 | 0 | 1 | 4 | 8 | 9 | 7 | 8 | | * TOTALS | |
| Infiltration Cellular, Lymphocyte | 1 | 2 | | | | | | 2 | | | 1 | | 2 | 1 | 1 | 1 | | | | | | | | 2 | | 23 1.3 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
x .. Lesion present
l .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

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Page 181

TDMS No. 20311 - 02
 Test Type: CHRONIC
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 Lab: NCTR

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 8 | 0 | 3 | 5 | 9 | 0 | 2 | 3 | 7 | 6 | 8 | 8 | 8 | 0 | 0 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
| | 9 | 8 | 9 | 5 | 1 | 1 | 7 | 8 | 1 | 4 | 1 | 4 | 5 | 0 | 3 | 0 | 0 | 7 | 6 | 7 | 7 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AZTL/3TCL/NFVL/0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 |
| ANIMAL ID | 4 | 4 | 5 | 7 | 0 | 1 | 5 | 6 | 9 | 0 | 2 | 3 | 4 | 6 | 7 | 0 | 8 | 8 | 4 | 4 | 8 | 8 | 8 | |
| | 4 | 8 | 6 | 1 | 8 | 4 | 6 | 3 | 6 | 0 | 4 | 6 | 3 | 8 | 7 | 2 | 0 | 4 | 5 | 2 | 3 | 4 | 5 | |

females
(cont...)

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder
Infiltration Cellular, Lymphocyte | A | A | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum
Hyperplasia, Lymphoid | A | A | + | + | + | A | + | A | + | + | + | A | + | 2 | + | + | + | + | + | 2 | 2 | + | + |
| Intestine Large, Colon | A | A | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | A | A | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | A | A | + | + | + | A | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | A | A | + | + | + | A | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum
Hyperplasia, Lymphoid
Epithelium, Hyperplasia | A | A | + | + | + | A | + | A | + | + | + | A | + | 2 | + | + | + | + | + | + | + | + | + |
| Liver
Angiectasis
Basophilic Focus
Hematopoietic Cell Proliferation
Infiltration Cellular, Lymphocyte | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
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| | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | 8 | 0 | 3 | 5 | 9 | 0 | 2 | 3 | 7 | 6 | 8 | 8 | 8 | 0 | 0 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 3 | |
| | 9 | 8 | 9 | 5 | 1 | 1 | 7 | 8 | 1 | 4 | 1 | 4 | 5 | 0 | 3 | 0 | 0 | 7 | 6 | 7 | 7 | 0 | 0 | 0 | 9 | |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | |
| AZTL/3TCL/NFVL/0 | 4 | 4 | 5 | 7 | 0 | 1 | 5 | 6 | 9 | 0 | 2 | 3 | 4 | 6 | 7 | 0 | 8 | 8 | 4 | 4 | 8 | 8 | 8 | 8 | | |
| ANIMAL ID | 4 | 8 | 6 | 1 | 8 | 4 | 6 | 3 | 6 | 0 | 4 | 6 | 3 | 8 | 7 | 2 | 0 | 4 | 5 | 2 | 3 | 4 | 5 | 6 | 7 | females (cont...) |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Inflammation, Chronic Active
Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tension Lipidosis | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vacuolization Cytoplasmic | 2 | 1 | 2 | 1 | 1 | | | | | | | | | | | | | | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery
Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | 4 | 3 | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | | | |
| Pancreas
Cytoplasmic Alteration | A | M | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte
Acinus, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2 | 1 | | | | | | | | | | | | | | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | |
| Duct, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands
Infiltration Cellular, Lymphocyte | A | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Polyarteritis | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | | | | | | | | | | | | | | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| Stomach, Forestomach
Ulcer | A | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | A | A | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
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 Page 183

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

| DAY ON TEST | 0 | | | | | | | | | | | | | | | | | | | | | | | | females (cont...) | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------------------|---|---|--|
| | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ANIMAL ID | 0 | | | | | | | | | | | | | | | | | | | | | | | | females (cont...) | | | |
| | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| AZTL/3TCL/NFVL/0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 4 | 4 | 5 | 7 | 0 | 1 | 5 | 6 | 9 | 0 | 2 | 3 | 4 | 6 | 7 | 0 | 0 | 8 | 8 | 4 | 4 | 8 | 8 | 8 | 8 | 8 | 8 | |
| | 4 | 8 | 6 | 1 | 8 | 4 | 6 | 3 | 6 | 0 | 4 | 6 | 3 | 8 | 7 | 2 | 0 | 4 | 5 | 2 | 3 | 4 | 5 | 6 | 7 | 7 | 7 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Polyarteritis | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Accessory Adrenal Cortical Nodule | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Subcapsular, Hyperplasia | | | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | 2 | 2 | 3 | 2 | | | | | | | | 2 |
| Adrenal Medulla | M | A | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Islets, Pancreatic | A | M | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Parathyroid Gland | A | A | + | + | + | + | + | A | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | M | + | + |
| Pituitary Gland | M | M | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pars Distalis, Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Hyperplasia | | | | | | | | | | | | 2 | 2 | | | | | | | | | | | | | | 2 |
| Thyroid Gland | A | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cyst | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Polyarteritis | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Follicle, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
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| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | 8 | 0 | 3 | 5 | 9 | 0 | 2 | 3 | 7 | 6 | 8 | 8 | 8 | 0 | 0 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 3 |
| | 9 | 8 | 9 | 5 | 1 | 1 | 7 | 8 | 1 | 4 | 1 | 4 | 5 | 0 | 3 | 0 | 0 | 7 | 6 | 7 | 7 | 0 | 0 | 0 | 9 |
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | |
| | 4 | 4 | 5 | 7 | 0 | 1 | 5 | 6 | 9 | 0 | 2 | 3 | 4 | 6 | 7 | 0 | 8 | 8 | 4 | 4 | 8 | 8 | 8 | 8 | |
| AZTL/3TCL/NFVL/0 | 4 | 8 | 6 | 1 | 8 | 4 | 6 | 3 | 6 | 0 | 4 | 6 | 3 | 8 | 7 | 2 | 0 | 4 | 5 | 2 | 3 | 4 | 5 | 6 | 7 |

females
(cont...)

GENERAL BODY SYSTEM

| | |
|---|---|
| Tissue NOS | + |
| Abdominal, Inflammation, Chronic Active | |
| Abdominal, Keratin Cyst | |
| Fat, Necrosis | 4 |

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland Degeneration | A | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| | | | 4 | 4 | 4 | | 4 | | 4 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | | | | |
| Ovary Atrophy | A | A | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | |
| Ovary Cyst | | | 2 | | 2 | 3 | | 3 | 2 | 3 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | | 3 | 2 | 2 | 3 | 3 | | | | |
| Ovary Cyst Dermoid | | | | | | 2 | | 2 | | | 4 | | | 4 | | | | | | | | | | | | | |
| Ovary Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ovary Bilateral, Cyst | | | | | 4 | | | | | | | | | | | | | | | | | | | | | | |
| Uterus Angiectasis | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | |
| Uterus Hydrometra | | | | | | 3 | | | | | | | | | | | | | | | | | | | | | |
| Uterus Endometrium, Hyperplasia, Cystic | | | 2 | 3 | 2 | 2 | 2 | 2 | 3 | 1 | 3 | 2 | 3 | | 4 | 1 | 2 | 4 | 1 | 2 | 3 | 3 | | 4 | 4 | 4 | 4 |

HEMATOPOIETIC SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Page 185

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 8 | 0 | 3 | 5 | 9 | 0 | 2 | 3 | 7 | 6 | 8 | 8 | 8 | 0 | 0 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
| | 9 | 8 | 9 | 5 | 1 | 1 | 7 | 8 | 1 | 4 | 1 | 4 | 5 | 0 | 3 | 0 | 0 | 7 | 6 | 7 | 7 | 0 | 0 | 0 |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AZTL/3TCL/NFVL/0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 |
| ANIMAL ID | 4 | 4 | 5 | 7 | 0 | 1 | 5 | 6 | 9 | 0 | 2 | 3 | 4 | 6 | 7 | 0 | 8 | 8 | 4 | 4 | 8 | 8 | 8 | |
| | 4 | 8 | 6 | 1 | 8 | 4 | 6 | 3 | 6 | 0 | 4 | 6 | 3 | 8 | 7 | 2 | 0 | 4 | 5 | 2 | 3 | 4 | 5 | |
| Bone Marrow | A | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia | | | | 3 | | | | | | | | | 2 | | | | | | | | | | | |
| Lymph Node | + | + | | | + | M | + | + | | | + | + | + | + | + | | | | | | + | | | |
| Axillary, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Polyarteritis | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreatic, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | |
| Thymus | A | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | |

females (cont...)

INTEGUMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20311 - 02

Test Type: CHRONIC

Route: IN-UTERO

Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 8 | 0 | 3 | 5 | 9 | 0 | 2 | 3 | 7 | 6 | 8 | 8 | 8 | 0 | 0 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
| | 9 | 8 | 9 | 5 | 1 | 1 | 7 | 8 | 1 | 4 | 1 | 4 | 5 | 0 | 3 | 0 | 0 | 7 | 6 | 7 | 7 | 0 | 0 | 0 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 |
| AZTL/3TCL/NFVL/0 | 4 | 4 | 5 | 7 | 0 | 1 | 5 | 6 | 9 | 0 | 2 | 3 | 4 | 6 | 7 | 0 | 8 | 8 | 4 | 4 | 8 | 8 | 8 | |
| ANIMAL ID | 4 | 8 | 6 | 1 | 8 | 4 | 6 | 3 | 6 | 0 | 4 | 6 | 3 | 8 | 7 | 2 | 0 | 4 | 5 | 2 | 3 | 4 | 5 | |

females
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Crystals | | | | | | | | | | | | | 2 | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | 2 | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | 2 | | 2 | | | | | | | | 2 | | | 1 | 1 | 1 | | 1 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nose | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | | | | | | | |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Trachea | + | A | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | A | A | + | + | + | A | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Cataract | | | | | | | | | 4 | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Harderian Gland | A | A | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Cyst | | | | | | | | | 4 | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | 1 | | | | | | | | | | 2 | 1 | | | | | | |
| Inflammation, Chronic | | | | | | | | | 2 | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | 1 | | | | | | | | |
| Acinus, Degeneration | | | | | | | | | 4 | | | | | | 3 | | | | | | | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | A | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 188

TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 0 | 4 | 8 | 3 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 |
| | 9 | 9 | 8 | 9 | 2 | 2 | 1 | 1 | 3 | 4 | 7 | 7 | 7 | 7 | 7 | 0 | 9 | 9 | 8 | 1 | 1 | 9 | 0 | 8 | 6 | 6 |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| AZTL/3TCL/NFVL/0 | 8 | 8 | 9 | 4 | 5 | 5 | 5 | 5 | 0 | 5 | 3 | 4 | 4 | 9 | 0 | 3 | 3 | 3 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 |
| ANIMAL ID | 8 | 9 | 0 | 6 | 0 | 1 | 2 | 3 | 5 | 6 | 9 | 0 | 1 | 2 | 1 | 9 | 5 | 6 | 7 | 5 | 6 | 7 | 8 | 2 | 3 | * TOTALS |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | 1 1.0 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 2.0 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 1.5 |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Angiectasis | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | 2 2.0 |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.5 |
| Infiltration Cellular, Lymphocyte | | 2 | 1 | 1 | | 1 | | | | | | 1 | 1 | | | | | | | | | | 1 | 1 | | | 13 1.1 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 0 | 4 | 8 | 3 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 |
| | 9 | 9 | 8 | 9 | 2 | 2 | 1 | 1 | 3 | 4 | 7 | 7 | 7 | 7 | 7 | 0 | 9 | 9 | 8 | 1 | 1 | 9 | 0 | 8 | 6 |
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| AZTL/3TCL/NFVL/0 | 8 | 8 | 9 | 4 | 5 | 5 | 5 | 0 | 5 | 3 | 4 | 4 | 9 | 0 | 0 | 3 | 3 | 3 | 6 | 6 | 6 | 6 | 7 | 7 | 7 |
| | 8 | 9 | 0 | 6 | 0 | 1 | 2 | 3 | 5 | 6 | 9 | 0 | 1 | 2 | 1 | 9 | 5 | 6 | 7 | 5 | 6 | 7 | 8 | 2 | 3 |
| | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
| Inflammation, Chronic Active
Mixed Cell Focus | | | | | | | | | | | | | | | | | | | X | | | | | | 1 2.0 |
| Necrosis | | | | | | | | | | | 4 | | | | | | | | | | | 1 | | | 1 |
| Tension Lipidosis | | | | | 1 | | | | | | | 1 | | | | | | | | | 2 | 2 | | | 3 2.0 |
| Vacuolization Cytoplasmic | 2 | | | 2 | 2 | | | | 2 | 2 | | | | | 1 | | 2 | 2 | 1 | | | | | | 6 1.5 |
| | | | | | | | | | | | | | | | | | | | | | | | | | 19 1.6 |
| Mesentery
Hemorrhage | | | | | | | | | | | | | | | + | + | | | | | | | | | 7 |
| Fat, Necrosis | | | | | | | | | | | | | | | 2 | | | | | | | | | | 1 2.0 |
| | | | | | | | | | | | | | | | | 4 | | | | | | 2 | | | 5 3.4 |
| Pancreas
Cytoplasmic Alteration | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Infiltration Cellular, Lymphocyte
Acinus, Degeneration | 1 | | | | 2 | 2 | 2 | | 1 | 1 | | | | | | | 1 | | | | 1 | | 1 | 2 | 19 1.3 |
| Duct, Dilatation | | | | 3 | | | | | 4 | | | | | | 3 | | | | 4 | | | | | | 3 3.7 |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Salivary Glands
Infiltration Cellular, Lymphocyte
Polyarteritis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| | 2 | 1 | 2 | 2 | 2 | 2 | 2 | | 1 | 1 | 1 | 2 | | | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | | 1 | 36 1.7 |
| | | | | | | | | | | | | | | | 2 | | | | | | | | | | 1 2.0 |
| Stomach, Forestomach
Ulcer | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20311 - 02

Test Type: CHRONIC

Route: IN-UTERO

Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 0 | 4 | 8 | 3 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 |
| | 9 | 9 | 8 | 9 | 2 | 2 | 1 | 1 | 3 | 4 | 7 | 7 | 7 | 7 | 7 | 0 | 9 | 9 | 8 | 1 | 1 | 9 | 0 | 8 | 6 |
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| AZTL/3TCL/NFVL/0 | 8 | 8 | 9 | 4 | 5 | 5 | 5 | 0 | 5 | 3 | 4 | 4 | 9 | 0 | 3 | 3 | 3 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 |
| | 8 | 9 | 0 | 6 | 0 | 1 | 2 | 3 | 5 | 6 | 9 | 0 | 1 | 2 | 1 | 9 | 5 | 6 | 7 | 5 | 6 | 7 | 8 | 2 | 3 |
| | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Polyarteritis | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|--------------|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Accessory Adrenal Cortical Nodule | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Subcapsular, Hyperplasia | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | | 47 1.9 | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Parathyroid Gland | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | 42 | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Pars Distalis, Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Pars Distalis, Hyperplasia | 1 | | | 1 | | | | | | | 1 | 2 | | | | | | | | 2 | | 2 | 2 | | | 11 1.7 | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 1.2 |
| Polyarteritis | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Follicle, Degeneration | | | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | 7 1.1 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---------------|--|
| DAY ON TEST | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 0 | 4 | 8 | 3 | 3 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | |
| | 9 | 9 | 8 | 9 | 2 | 2 | 1 | 1 | 3 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 0 | 9 | 9 | 8 | 1 | 1 | 9 | 0 | 8 | 6 | | |
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| ANIMAL ID | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| AZTL/3TCL/NFVL/0 | 8 | 8 | 9 | 4 | 5 | 5 | 5 | 5 | 0 | 5 | 3 | 4 | 4 | 9 | 0 | 0 | 3 | 3 | 3 | 3 | 6 | 6 | 6 | 6 | 7 | 7 | | |
| | 8 | 9 | 0 | 6 | 0 | 1 | 2 | 3 | 5 | 6 | 9 | 0 | 1 | 2 | 1 | 9 | 5 | 6 | 7 | 5 | 6 | 7 | 8 | 2 | 3 | * TOTALS | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | |
| Hyperplasia | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | 3 2.3 | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | | | 13 | |
| Axillary, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Lumbar, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.5 | |
| Lumbar, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Lumbar, Polyarteritis | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Pancreatic, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 | |
| Renal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 3.0 | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | 13 2.1 | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Hyperplasia, Lymphoid | 2 | 2 | 4 | 3 | 2 | | 1 | 2 | 2 | 2 | 1 | | 3 | 2 | | | | | | | | | | | | | 27 2.1 | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 3.0 | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 2.7 | |
| Hyperplasia, Lymphoid | 3 | 3 | 4 | 4 | 3 | | 2 | 4 | 3 | 3 | 2 | | 4 | 4 | | | | | | | | | | | | | 32 3.2 | |
| Thymus | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 44 | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | 18 2.7 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 2.3 | |

INTEGUMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 194

TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 0 | 4 | 8 | 3 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 |
| | 9 | 9 | 8 | 9 | 2 | 2 | 1 | 1 | 3 | 4 | 7 | 7 | 7 | 7 | 7 | 0 | 9 | 9 | 8 | 1 | 1 | 9 | 0 | 8 | 6 | 6 |
| C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| AZTL/3TCL/NFVL/0 | 8 | 8 | 9 | 4 | 5 | 5 | 5 | 0 | 5 | 3 | 4 | 4 | 9 | 0 | 0 | 3 | 3 | 3 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 |
| | 8 | 9 | 0 | 6 | 0 | 1 | 2 | 3 | 5 | 6 | 9 | 0 | 1 | 2 | 1 | 9 | 5 | 6 | 7 | 5 | 6 | 7 | 8 | 2 | 3 | * TOTALS |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Lactation | | | | | | | | | | | | | | 2 | | | | | | | | | | | | 1 2.0 |
| Alveolus, Hyperplasia | | | | | | | | | | | | | | 4 | | | | | | | | | | | | 1 4.0 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | 3 | | | | | | | | | | | | 1 3.0 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Brain, Brain Stem | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Compression | | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.0 |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Hemorrhage | | | | | | | | | | | | | | 1 | | | | | | | | | | | | 1 1.0 |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Cyst Epithelial Inclusion | | | | | | X | | | | | | | | | | | | | | | | | | | | 1 |
| Hemorrhage | | | | | | | | | | | | | | 1 | | | | | | | | | | | | 1 1.0 |
| Mineralization | | 1 | | 1 | 1 | 1 | | | 1 | | 1 | | 1 | | | 1 | | 1 | 1 | | | | | 1 | 1 | 25 1.0 |

RESPIRATORY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Page 195

TDMS No. 20311 - 02
 Test Type: CHRONIC
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 Species/Strain: MICE/B6C3F1/NCTR

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 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

| DAY ON TEST | 0 | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | 5 5 5 6 6 6 6 6 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 | | | | | | | | | | | | | | | | | | | | | | | |
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
SOLVENT to 0 | 2 3 6 3 4 6 6 6 8 8 8 8 3 3 3 3 3 3 3 3 3 3 3 3 | | | | | | | | | | | | | | | | | | | | | | | |
| | 3 4 7 6 6 1 6 9 5 4 7 5 2 2 2 2 3 3 3 3 7 7 7 7 | | | | | | | | | | | | | | | | | | | | | | | |
| ANIMAL ID | 0 | | | | | | | | | | | | | | | | | | | | | | | |
| | 0 0 0 1 1 1 2 2 2 2 2 3 3 3 4 4 4 4 4 4 5 5 5 6 | | | | | | | | | | | | | | | | | | | | | | | |
| females
(cont...) | 5 5 8 7 7 8 1 1 3 3 4 4 5 5 5 5 6 6 6 6 8 8 8 8 | | | | | | | | | | | | | | | | | | | | | | | |
| | 5 9 8 0 1 7 1 6 0 1 1 2 5 6 7 8 6 7 8 9 6 7 8 4 | | | | | | | | | | | | | | | | | | | | | | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Esophagus | + + + + A + + + + + + + + + + + + + + + M + + + + + + | | | | | | | | | | | | | | | | | | | | | | | |
| Gallbladder | A A + + A + | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Cecum
Serosa, Hyperplasia | A A + + A + | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Colon | A A + + A + | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Rectum | A A + + A + | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Duodenum | A A + + A + | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Ileum
Inflammation, Chronic Active | A A + + A +
2 | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Jejunum
Hyperplasia, Lymphoid | A A + + A + | | | | | | | | | | | | | | | | | | | | | | | |
| Liver
Basophilic Focus
Cyst
Eosinophilic Focus
Hematopoietic Cell Proliferation
Infiltration Cellular, Histiocyte | A A + + A +
X
X
2 1
2 | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 198

TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

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 Lab: NCTR

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 2 | 3 | 6 | 3 | 4 | 6 | 6 | 6 | 8 | 8 | 8 | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 3 | 4 | 7 | 6 | 6 | 1 | 6 | 9 | 5 | 4 | 7 | 5 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 7 |
| C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 |
| ANIMAL ID | 5 | 5 | 8 | 7 | 7 | 8 | 1 | 1 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 8 | 8 | 8 | 8 | 4 | 4 |
| SOLVENT to 0 | 5 | 9 | 8 | 0 | 1 | 7 | 1 | 6 | 0 | 1 | 1 | 2 | 5 | 6 | 7 | 8 | 6 | 7 | 8 | 9 | 6 | 7 | 8 | 5 |

females
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|--|--|--|--|--|--|--|
| Infiltration Cellular, Lymphocyte Inflammation, Chronic Active | 1 | | | | 1 | | | | 1 | | | | 2 | | | | 2 | | | | | | | | | | | | | | | |
| Mineralization | | | | | | | | | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| Necrosis | | | | | | | | | | | | | 2 | | | | 1 | | | | | | | | | | | | | | | |
| Tension Lipidosis | | | | | 2 | | | | 1 | | | | 2 | | | | | | | | | | | | | | | | | | | |
| Vacuolization Cytoplasmic | 2 | | 1 | | 1 | | 3 | | 1 | | 3 | | 2 | | 1 | | 1 | | 1 | | 2 | | | | | | | | | | | |
| Mesentery | | | | | | | | | | | | | + | | | | + | | | | | | | | | | | | | | | |
| Fat, Necrosis | | | | | | | | | | | | | 3 | | | | 4 | | | | | | | | | | | | | | | |
| Pancreas | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte Acinus, Degeneration | 1 | | | | | | | | 1 | | | | | | | | 1 | | | | | | | | 1 | | | | | | | |
| Salivary Glands | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 2 | | 3 | | 1 | | 2 | | 2 | | 2 | | 1 | | 2 | | 2 | | 2 | | 2 | | 2 | | | | | | | | | |
| Stomach, Forestomach | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | A | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | |

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 199

TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 2 | 3 | 6 | 3 | 4 | 6 | 6 | 6 | 8 | 8 | 8 | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 3 | 4 | 7 | 6 | 6 | 1 | 6 | 9 | 5 | 4 | 7 | 5 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 7 | 7 |
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
SOLVENT to 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 6 |
| ANIMAL ID | 5 | 5 | 8 | 7 | 7 | 8 | 1 | 1 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 8 | 8 | 8 | 8 | 4 | 4 | 4 |
| | 5 | 9 | 8 | 0 | 1 | 7 | 1 | 6 | 0 | 1 | 1 | 2 | 5 | 6 | 7 | 8 | 6 | 7 | 8 | 9 | 6 | 7 | 8 | 5 | 5 |
| Blood Vessel | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart
Inflammation, Suppurative | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | 4 | | | | | | | | | | | | | | | | | | | | | | | | |

females
(cont...)

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Accessory Adrenal Cortical Nodule
Hypertrophy | | | | | | | | | | | | | | X | | | | X | | X | | | | | | |
| Vacuolization Cytoplasmic
Subcapsular, Hyperplasia | | 1 | 2 | 2 | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Adrenal Medulla | A | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Islets, Pancreatic
Hyperplasia
Infiltration Cellular, Lymphocyte | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Parathyroid Gland
Cyst
Hypertrophy | A | M | + | + | A | + | + | + | + | + | + | + | + | M | + | + | M | + | M | M | + | + | + | + | + | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Pituitary Gland
Pars Distalis, Angiectasis
Pars Distalis, Cyst
Pars Distalis, Hyperplasia | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + |
| | | | | | | | | | | | | | | | 1 | | | | | | | 1 | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 200

TDMS No. 20311 - 02

Test Type: CHRONIC

Route: IN-UTERO

Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 2 | 3 | 6 | 3 | 4 | 6 | 6 | 6 | 8 | 8 | 8 | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 3 | 4 | 7 | 6 | 6 | 1 | 6 | 9 | 5 | 4 | 7 | 5 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 7 | 7 | 7 |
| C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 |
| SOLVENT to 0 | 5 | 5 | 8 | 7 | 7 | 8 | 1 | 1 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 8 | 8 | 8 | 8 | 4 | 4 |
| | 5 | 9 | 8 | 0 | 1 | 7 | 1 | 6 | 0 | 1 | 1 | 2 | 5 | 6 | 7 | 8 | 6 | 7 | 8 | 9 | 6 | 7 | 8 | 4 | 5 | 5 |

females (cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Thyroid Gland | A | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ectopic Thymus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte Follicle, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | |
| Follicular Cell, Hypertrophy | | | | | | | | | | | | | 1 | | 2 | | | | | | | | | | |

GENERAL BODY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Tissue NOS | | | | | | | | | | | | | | | | | | | | | | | | | |
| Abdominal, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | |

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | A | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Degeneration | | | 4 | 4 | | 4 | 4 | 4 | 4 | | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 |
| Ovary | A | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy | | | 2 | 3 | | 4 | 3 | 3 | 3 | 2 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 2 | 4 | 3 | 3 |
| Cyst | | | | 4 | | | | 2 | | | | | 3 | 3 | | | | | | | | 2 | | 3 | |
| Bilateral, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | |
| Uterus | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hydrometra | | | | | | 4 | | | 4 | | | | | | | | | | 4 | | | | | | 4 |
| Endometrium, Hyperplasia, Cystic | | 1 | 3 | 2 | | | 3 | 2 | | 2 | 3 | 2 | 3 | 3 | 3 | 2 | 4 | 4 | 3 | | 3 | 2 | 4 | 3 | |

HEMATOPOIETIC SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked
Page 201

TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 2 | 3 | 6 | 3 | 4 | 6 | 6 | 6 | 8 | 8 | 8 | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 3 | 4 | 7 | 6 | 6 | 1 | 6 | 9 | 5 | 4 | 7 | 5 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 7 |
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 |
| SOLVENT to 0 | 5 | 5 | 8 | 7 | 7 | 8 | 1 | 1 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 8 | 8 | 8 | 8 | 4 | 4 |
| | 5 | 9 | 8 | 0 | 1 | 7 | 1 | 6 | 0 | 1 | 1 | 2 | 5 | 6 | 7 | 8 | 6 | 7 | 8 | 9 | 6 | 7 | 8 | 5 |

females
(cont...)

Skeletal Muscle

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain, Brain Stem
Compression | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemorrhage | | | | | | | | | | | | | 3 | 1 | | | | | | | | | | |
| Brain, Cerebellum | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Brain, Cerebrum
Mineralization | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Peripheral Nerve | | | | | | | | | | | | | | | | | | | | | | | | |
| Spinal Cord | | | | | | | | | | | | | | | | | | | | | | | | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung
Crystals | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Page 204

TDMS No. 20311 - 02

Test Type: CHRONIC

Route: IN-UTERO

Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| ANIMAL ID | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 7 |
| | 7 | 9 | 9 | 9 | 5 | 9 | 9 | 9 | 0 | 9 | 9 | 1 | 0 | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 5 | 5 | 5 | 9 |
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
SOLVENT to 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| females
(cont...) | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | |
| | 4 | 2 | 2 | 3 | 5 | 9 | 9 | 4 | 4 | 4 | 0 | 5 | 5 | 5 | 5 | 0 | 5 | 9 | 0 | 5 | 9 | 0 | 8 | |
| | 6 | 8 | 9 | 0 | 9 | 1 | 2 | 3 | 7 | 8 | 9 | 3 | 4 | 4 | 5 | 6 | 7 | 6 | 7 | 7 | 9 | 0 | 3 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum
Serosa, Hyperplasia | + | + | + | + | + | + | 2 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum
Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum
Hyperplasia, Lymphoid | + | + | + | + | + | + | 3 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver
Basophilic Focus
Cyst
Eosinophilic Focus
Hematopoietic Cell Proliferation
Infiltration Cellular, Histiocyte | + | + | + | + | + | + | X | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
x .. Lesion present
l .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
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TDMS No. 20311 - 02
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 First Dose M/F: NA / 07/10/03
 Lab: NCTR

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 5 | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 7 | 7 | |
| | 7 | 9 | 9 | 9 | 5 | 9 | 9 | 9 | 0 | 9 | 9 | 1 | 0 | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 5 | 5 | 5 | 9 | 9 |
| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | |
| SOLVENT to 0 | 4 | 2 | 2 | 3 | 5 | 9 | 9 | 9 | 4 | 4 | 4 | 0 | 0 | 5 | 5 | 5 | 5 | 0 | 0 | 5 | 9 | 0 | 0 | 8 | |
| | 6 | 8 | 9 | 0 | 9 | 1 | 2 | 3 | 7 | 8 | 9 | 3 | 4 | 4 | 5 | 6 | 7 | 6 | 7 | 7 | 9 | 0 | 1 | 3 | |
| Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active | 1 | | | 1 | 1 | | | | | | | 1 | 1 | 1 | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| Mineralization | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Tension Lipidosis | 1 | | | | | | 1 | | | | | 1 | | | | | | | | | | | 1 | 1 | |
| Vacuolization Cytoplasmic | 2 | 2 | 1 | 2 | | | 2 | | 2 | 1 | 2 | | | | | 2 | | 1 | | 2 | 1 | 2 | | 1 | |
| Mesentery
Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas
Cyst | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte
Acinus, Degeneration | 1 | | 1 | 1 | | | 1 | | 1 | 1 | | 1 | | 1 | | | 1 | | | 1 | | 1 | | | |
| Salivary Glands
Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach
Ulcer
Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular
Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |

females
(cont...)

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 5 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 7 | 7 | |
| | 7 | 9 | 9 | 9 | 5 | 9 | 9 | 9 | 0 | 9 | 9 | 1 | 0 | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 5 | 5 | 5 | 9 | 9 | | |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| SOLVENT to 0 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | |
| ANIMAL ID | 4 | 2 | 2 | 3 | 5 | 9 | 9 | 4 | 4 | 4 | 0 | 5 | 5 | 5 | 5 | 5 | 0 | 5 | 9 | 0 | 5 | 9 | 0 | 1 | 3 | 4 | |
| | 6 | 8 | 9 | 0 | 9 | 1 | 2 | 3 | 7 | 8 | 9 | 3 | 4 | 4 | 5 | 6 | 7 | 6 | 7 | 7 | 9 | 0 | 1 | 3 | 4 | | |

females
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart Inflammation, Suppurative | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | |
| Accessory Adrenal Cortical Nodule | | | | | X | | | | | | | | | | | | | | | | | | | | | |
| Hypertrophy | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | | | 4 | 2 | 2 | 1 | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia | | | | | | 2 | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Cyst | | | | | | | | | | | | | | | | | 2 | | | | | | | | | |
| Hypertrophy | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Pars Distalis, Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Cyst | | | | | | 3 | 3 | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 208

TDMS No. 20311 - 02

Test Type: CHRONIC

Route: IN-UTERO

Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 5 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 7 | 7 |
| | 7 | 9 | 9 | 9 | 5 | 9 | 9 | 9 | 0 | 9 | 9 | 1 | 0 | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 5 | 5 | 5 | 9 | 9 |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| SOLVENT to 0 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| ANIMAL ID | 4 | 2 | 2 | 3 | 5 | 9 | 9 | 9 | 4 | 4 | 4 | 0 | 0 | 5 | 5 | 5 | 5 | 0 | 0 | 5 | 9 | 0 | 0 | 8 | 8 |
| | 6 | 8 | 9 | 0 | 9 | 1 | 2 | 3 | 7 | 8 | 9 | 3 | 4 | 4 | 5 | 6 | 7 | 6 | 7 | 7 | 9 | 0 | 1 | 3 | 4 |

females (cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hyperplasia, Lymphoid | | | | | | 1 | | 3 | | | 2 | | | | 2 | 2 | 1 | | | | | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Autolysis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Erythrophagocytosis | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| Hematopoietic Cell Proliferation | | | | | | 3 | | | | | | | | | 4 | 2 | | | | | | | | 2 | |
| Hyperplasia, Lymphoid | 3 | 3 | | | 2 | | 4 | | 3 | 3 | | 4 | | 4 | 2 | 3 | 3 | | | | 4 | 3 | | 2 | |
| Thymus | + | + | + | M | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Atrophy | 2 | | | | 3 | | | | | | | | | | | | 2 | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | 2 | 2 | 2 | | 2 | | 2 | 2 | | | | | | 2 | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lactation | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolus, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 7 | 7 |
| | 7 | 9 | 9 | 9 | 5 | 9 | 9 | 9 | 0 | 9 | 9 | 1 | 0 | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 5 | 5 | 5 | 9 | 9 |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| SOLVENT to 0 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| ANIMAL ID | 4 | 2 | 2 | 3 | 5 | 9 | 9 | 9 | 4 | 4 | 4 | 0 | 5 | 5 | 5 | 5 | 5 | 0 | 5 | 9 | 0 | 0 | 0 | 8 | 8 |
| | 6 | 8 | 9 | 0 | 9 | 1 | 2 | 3 | 7 | 8 | 9 | 3 | 4 | 4 | 5 | 6 | 7 | 6 | 7 | 7 | 9 | 0 | 1 | 3 | 4 |

females (cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nose
Inflammation, Suppurative | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye
Cornea, Inflammation, Chronic Active | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Harderian Gland
Infiltration Cellular, Lymphocyte | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | 1 | | | | | | | | | | | | | | | | | | | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney
Amyloid Deposition | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | 1 | 1 | | | 1 | 1 | 1 | 1 | | | 1 | | | | | | | | | | | | 1 | | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | 2 | | | | | | |
| Nephropathy | | | 1 | 1 | 2 | | | | | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | 1 |
| Urinary Bladder
Infiltration Cellular, Lymphocyte | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | M | + | + | + | + | + | + | + | + |
| Lumen, Dilatation | | | | | | | 1 | 1 | 1 | 1 | | 1 | 1 | | | 1 | | | | | | | 1 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 3 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked
Page 213

| | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 8 | 9 | 0 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 |
| | 3 | 9 | 7 | 0 | 0 | 9 | 9 | 9 | 0 | 0 | 9 | 9 | 7 | 5 | |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MICE FEMALE | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| ANIMAL ID | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| SOLVENT to 0 | 8 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 5 | 8 | 4 | 6 | 7 | 2 | 3 | 9 | 0 | 1 | 4 | 5 | 6 | |
| | | | | | | | | | | | | | | | * TOTALS |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 62 |
| Gallbladder | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 60 |
| Intestine Large, Cecum
Serosa, Hyperplasia | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 60
1 2.0 |
| Intestine Large, Colon | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 60 |
| Intestine Large, Rectum | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 60 |
| Intestine Small, Duodenum | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 60 |
| Intestine Small, Ileum
Inflammation, Chronic Active | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 60
1 2.0 |
| Intestine Small, Jejunum
Hyperplasia, Lymphoid | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 60
1 3.0 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 61 |
| Basophilic Focus | | | | | | | | | | | | | | | 2 |
| Cyst | | | 2 | | | | | | | | | | | | 1 2.0 |
| Eosinophilic Focus | | | | | | | | | | | | | | | 3 |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | 2 1.5 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | 1 2.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
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 2) Mild 4) Marked

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Date Report Requested: 06/29/2009
 Time Report Requested: 16:30:20
 First Dose M/F: NA / 07/10/03
 Lab: NCTR

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|-----|
| | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | 8 | 9 | 0 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | |
| | 3 | 9 | 7 | 0 | 0 | 9 | 9 | 9 | 0 | 0 | 9 | 9 | 7 | 5 | | |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| MICE FEMALE | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| ANIMAL ID | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| SOLVENT to 0 | 8 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | 6 | 5 | 8 | 4 | 6 | 7 | 2 | 3 | 9 | 0 | 1 | 4 | 5 | 6 | | |
| | | | | | | | | | | | | | | | * TOTALS | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | 18 | 1.1 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | 5 | 1.2 |
| Mineralization | | | | | | | | | | | | | | | 1 | 1.0 |
| Mixed Cell Focus | | | | | | | | | | | | | | | 1 | |
| Necrosis | | | | | | | | | | | | | | | 3 | 1.3 |
| Tension Lipidosis | | | | | | | | | | | | | | | 7 | 1.4 |
| Vacuolization Cytoplasmic | 2 | | 1 | 1 | | 2 | | | | 2 | 1 | 1 | | | | |
| | | | | | | | | | | | | | | | 32 | 1.6 |
| Mesentery | | | | | | | | | | | | | | | | |
| Fat, Necrosis | | | | | | | | | | | | | | | 8 | |
| | | | | | | | | | | | | | | | 8 | 3.4 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Cyst | | | | | | | | | | | | | | | 62 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | 1 | 2.0 |
| Acinus, Degeneration | | | | | | | | | | | | | | | 23 | 1.0 |
| | | | | | | | | | | | | | | | 2 | 1.5 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphocyte | 1 | | | 2 | 2 | | 2 | 1 | 1 | 1 | 2 | 1 | 1 | | | |
| | | | | | | | | | | | | | | | 62 | |
| | | | | | | | | | | | | | | | 47 | 1.7 |
| Stomach, Forestomach | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Ulcer | | | | | | | | | | | | | | | 62 | |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | 1 | 2.0 |
| | | | | | | | | | | | | | | | 2 | 2.5 |
| Stomach, Glandular | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | 60 | |
| | | | | | | | | | | | | | | | 1 | 1.0 |

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-----------------------------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 8 | 9 | 0 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 |
| | 3 | 9 | 7 | 0 | 0 | 9 | 9 | 9 | 0 | 0 | 9 | 9 | 7 | 5 |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MICE FEMALE | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| SOLVENT to 0 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| ANIMAL ID | 8 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 6 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 5 | 8 | 4 | 6 | 7 | 2 | 3 | 9 | 0 | 1 | 4 | 5 | 6 |
| | * TOTALS | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 62 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 63 |
| Inflammation, Suppurative | | | | | | | | | | | | | | | 1 4.0 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 61 |
| Accessory Adrenal Cortical Nodule | | | | X | | | | | | X | | | | | 6 |
| Hypertrophy | | | | | | | | | | | | | | | 1 1.0 |
| Vacuolization Cytoplasmic | | | | | | | | | | | | | 3 | | 3 3.0 |
| Subcapsular, Hyperplasia | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | | 60 1.9 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 60 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 62 |
| Hyperplasia | | | | | | | | | | | | | | | 1 2.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | 1 1.0 |
| Parathyroid Gland | + | M | + | M | + | + | + | + | + | + | + | + | + | + | 54 |
| Cyst | | | | | | | | | | | | | | | 1 2.0 |
| Hypertrophy | | | | | | | | | | | | | | | 1 2.0 |
| Pituitary Gland | + | + | M | + | + | + | + | + | + | + | + | + | + | + | 60 |
| Pars Distalis, Angiectasis | | 2 | | | | | | | | | | | | | 1 2.0 |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | 2 3.0 |
| Pars Distalis, Hyperplasia | | | | | | | 2 | 2 | | 1 | 1 | | | | 8 1.5 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

| | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 8 | 9 | 0 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 |
| | 3 | 9 | 7 | 0 | 0 | 9 | 9 | 9 | 0 | 0 | 9 | 9 | 7 | 5 | |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MICE FEMALE | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| ANIMAL ID | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| SOLVENT to 0 | 8 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 5 | 8 | 4 | 6 | 7 | 2 | 3 | 9 | 0 | 1 | 4 | 5 | 6 | |
| | | | | | | | | | | | | | | | * TOTALS |

| | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Thyroid Gland | A | + | + | M | + | + | + | + | + | + | + | + | + | + | 59 |
| Ectopic Thymus | | | | | | | | | | | | | | | 1 1.0 |
| Infiltration Cellular, Lymphocyte | | | | | 2 | | | | | | | | | | 2 2.0 |
| Follicle, Degeneration | | | 1 | | 1 | | 1 | | | | | | | | 9 1.2 |
| Follicular Cell, Hypertrophy | | | | | | | | | | | | | | | 2 1.5 |

GENERAL BODY SYSTEM

| | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------|
| Tissue NOS | | | | | | | | | | | | | | | 3 |
| Abdominal, Inflammation, Chronic Active | | | | | | | | | | | | | | | 1 4.0 |

GENITAL SYSTEM

| | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 60 |
| Degeneration | 3 | 3 | 4 | 3 | 2 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 55 3.7 |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 60 |
| Atrophy | | 3 | 3 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 4 | 3 | 3 | 57 3.3 |
| Cyst | | 2 | 2 | 2 | 4 | | 4 | | | | 3 | 4 | 2 | | 22 2.7 |
| Bilateral, Cyst | | | | | | | | | 4 | 2 | | | | | 3 3.0 |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 62 |
| Hydrometra | | | | | | | | | | | | | | | 9 4.0 |
| Endometrium, Hyperplasia, Cystic | | 2 | 3 | 2 | 4 | 4 | 3 | 3 | 2 | 3 | 4 | 3 | 3 | 3 | 52 2.8 |

HEMATOPOIETIC SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------------|
| | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | 8 | 9 | 0 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | |
| | 3 | 9 | 7 | 0 | 0 | 9 | 9 | 9 | 0 | 0 | 9 | 9 | 7 | 5 | | |
| | | | | | | | | | | | | | | | | |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| MICE FEMALE | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| ANIMAL ID | 8 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | |
| SOLVENT to 0 | 6 | 5 | 8 | 4 | 6 | 7 | 2 | 3 | 9 | 0 | 1 | 4 | 5 | 6 | | |
| | | | | | | | | | | | | | | | | * TOTALS |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 61 |
| Hyperplasia | | | | | | | | | | | | | | | | 2 2.5 |
| | | | | | | | | | | | | | | | | |
| Lymph Node | + | | + | | | | + | | | | | | | | | 15 |
| Hemorrhage | | | | | | | | | | | | | | | | 1 2.0 |
| Axillary, Autolysis | | | | | | | | | | | | | | | | 1 4.0 |
| Bronchial, Autolysis | | | | | | | | | | | | | | | | 1 4.0 |
| Iliac, Autolysis | | | | | | | | | | | | | | | | 1 4.0 |
| Lumbar, Autolysis | | | | | | | | | | | | | | | | 1 4.0 |
| Lumbar, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 3 5 2.6 |
| Lumbar, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | 1 2.0 |
| Lumbar, Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | 2 2.0 |
| Mediastinal, Autolysis | | | | | | | | | | | | | | | | 1 4.0 |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 1 2.0 |
| Renal, Autolysis | | | | | | | | | | | | | | | | 1 4.0 |
| Renal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 1 2.0 |
| Renal, Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | 1 2.0 |
| Sinus, Dilatation | | | | | | | | | | | | | | | | 1 4.0 |
| | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 61 |
| Autolysis | | | | | | | | | | | | | | | | 1 4.0 |
| Erythrophagocytosis | | | | | | | | | | | | | | | | 1 3.0 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 2 2 3 2 16 2.0 |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | 3 1 3.0 |
| Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | 1 2.0 |
| | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 60 |
| Autolysis | | | | | | | | | | | | | | | | 1 4.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
|--|---|---|-------|-----|---|---|---|---|---|---|-------|-------|---------------|---------------|-----------------|--------------|---------------|
| | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | 8 | 9 | 0 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | | |
| | 3 | 9 | 7 | 0 | 0 | 9 | 9 | 9 | 0 | 0 | 9 | 9 | 7 | 5 | | | |
| | | | | | | | | | | | | | | | | | |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| MICE FEMALE | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | |
| ANIMAL ID | 8 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| SOLVENT to 0 | 6 | 5 | 8 | 4 | 6 | 7 | 2 | 3 | 9 | 0 | 1 | 4 | 5 | 6 | | | |
| | | | | | | | | | | | | | | | * TOTALS | | |
| Hyperplasia, Lymphoid | | | | 3 | 2 | | | | 1 | | | | 1 | 3 | 20 2.0 | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | 1 3.0 | | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | 1 3.0 | | |
| Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | 1 2.0 | | |
| Thrombosis | | | | | | | | | | | | | | | 1 4.0 | | |
| | | | | | | | | | | | | | | | | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 62 | | |
| Autolysis | | | | | | | | | | | | | | | 1 4.0 | | |
| Erythrophagocytosis | | | | | | | | | | | | | | | 1 4.0 | | |
| Hematopoietic Cell Proliferation | 2 | | | | | 4 | | | | | | 2 4 3 | | 14 3.2 | | | |
| Hyperplasia, Lymphoid | 2 | | 4 2 2 | | | | | | | | 2 4 3 | | 32 2.9 | | | | |
| | | | | | | | | | | | | | | | | | |
| Thymus | + | + | + | + | + | + | M | + | + | + | + | + | + | + | 55 | | |
| Atrophy | 3 | | | | | | | | | | | | | | | | 13 2.6 |
| Hyperplasia, Lymphoid | | | | 2 2 | | | | 2 | | | | | | 12 2.0 | | | |
| | | | | | | | | | | | | | | | | | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 63 | | |
| Lactation | | | | | | | | | 2 | | | | | | | 2 2.5 | |
| Alveolus, Hyperplasia | | | | 2 | | | | | | | | | | | 2 3.0 | | |
| | | | | | | | | | | | | | | | | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 63 | | |
| | | | | | | | | | | | | | | | | | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 64 | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20311 - 02

Test Type: CHRONIC

Route: IN-UTERO

Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

| | | | | | | | | | | | | | | | |
|-----------------------------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 8 | 9 | 0 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 |
| | 3 | 9 | 7 | 0 | 0 | 9 | 9 | 9 | 0 | 0 | 9 | 9 | 7 | 5 | |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MICE FEMALE | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| ANIMAL ID | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| SOLVENT to 0 | 8 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 5 | 8 | 4 | 6 | 7 | 2 | 3 | 9 | 0 | 1 | 4 | 5 | 6 | |
| | * TOTALS | | | | | | | | | | | | | | |

Skeletal Muscle

1

NERVOUS SYSTEM

Brain, Brain Stem

A + + + + + + + + + + + + + +

61

Compression

1 3.0

Hemorrhage

1 1.0

Brain, Cerebellum

+ + + + + + + + + + + + + +

62

Brain, Cerebrum

+ + + + + + + + + + + + + +

62

Mineralization

1 1 1 1 1 1 1 1 1 1 1 1

41 1.0

Peripheral Nerve

1

Spinal Cord

1

RESPIRATORY SYSTEM

Lung

+ + + + + + + + + + + + + +

62

Crystals

4 4 3

5 3.6

Hemorrhage

4 4 2 3

1 1.0

Infiltration Cellular, Histiocyte

4 4 2 2 2 1 3

8 2.9

Infiltration Cellular, Lymphocyte

2 2 2 1

19 1.5

Metaplasia, Osseous

2

1 1.0

Alveolar Epithelium, Hyperplasia

2

3 2.7

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 220

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20311 - 02
 Test Type: CHRONIC
 Route: IN-UTERO
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-----------------------------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 8 | 9 | 0 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 |
| | 3 | 9 | 7 | 0 | 0 | 9 | 9 | 9 | 0 | 0 | 9 | 9 | 7 | 5 | |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MICE FEMALE | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| SOLVENT to 0 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| ANIMAL ID | 8 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 5 | 8 | 4 | 6 | 7 | 2 | 3 | 9 | 0 | 1 | 4 | 5 | 6 | |
| | * TOTALS | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|-----------|
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 62 |
| Inflammation, Suppurative | | | | | | | | | | | | | | | 1 2.0 | |
| Trachea | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 61 |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|-----------|
| Eye | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 59 |
| Cornea, Inflammation, Chronic Active | | | | | | | | | | | | | | | 1 1.0 | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 60 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | 7 1.0 | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|---------------|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 62 |
| Amyloid Deposition | | | | | | | | | | | | | | | 1 2.0 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | 17 1.2 | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | 2 1.5 | |
| Nephropathy | 1 | | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | | 1 | | | | 31 1.2 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 60 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | 20 1.1 | |
| Lumen, Dilatation | | | | | | | | | | | | | | | 1 3.0 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 221

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20311 - 02

Test Type: CHRONIC

Route: IN-UTERO

Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

| | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| DAY ON TEST | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 8 | 9 | 0 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 |
| | 3 | 9 | 7 | 0 | 0 | 9 | 9 | 9 | 0 | 0 | 9 | 9 | 7 | 5 | |
| | | | | | | | | | | | | | | | |
| C57BL/6N XC3H/HEN MTV-NCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MICE FEMALE | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| ANIMAL ID | 8 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| SOLVENT to 0 | 6 | 5 | 8 | 4 | 6 | 7 | 2 | 3 | 9 | 0 | 1 | 4 | 5 | 6 | |
| | | | | | | | | | | | | | | | * TOTALS |

*** END OF REPORT ***

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 222

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked