

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

females  
(cont...)

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum Hyperplasia, Lymphoid	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum Hyperplasia, Lymphoid	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum Hyperplasia, Lymphoid	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Basophilic Focus													X										
Congestion																							
Eosinophilic Focus														X						X			
Hematopoietic Cell Proliferation						3																	
Hemorrhage	4																						

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 Lab: NCTR

DAY ON TEST	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
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

---

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	1	1	1	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	5	5	5	5	5
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	0	1	2	3	6	7	8	9	0	1	3	4	5	0	0	

females (cont...)

Infiltration Cellular, Lymphocyte Inflammation, Chronic Active Necrosis	1 1 1 1 2 1																								
Tension Lipidosis	4 1 1 1 2 2 2																								
Vacuolization Cytoplasmic	2 2 1 1 1 1 1 1 1 1 2 1 2																								
Mesentery Fat, Necrosis	+ +																								
Pancreas Cytoplasmic Alteration	+ + A + + + + + + A + + + + + + + + + + + + + + + + + +																								
Infiltration Cellular, Lymphocyte Acinus, Degeneration	1 1 1 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2																								
Salivary Glands Infiltration Cellular, Lymphocyte	+ + + + + + + + + A + + + + + + + + + + + + + + + + + + +																								
Stomach, Forestomach	+ + A + + + + + + A + + + + + + + + + + + + + + + + + +																								
Stomach, Glandular	+ + A + + + + + + A + + + + + + + + + + + + + + + + + +																								

**CARDIOVASCULAR SYSTEM**

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

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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
<b>C57BL/6N XC3H/HEN MTV-NCTR</b>	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	1	1	1	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	5	5	5	5	5
		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
<b>AZT-H to 0</b>		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	

females (cont...)

ENDOCRINE SYSTEM

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

GENERAL BODY SYSTEM

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

**females  
(cont...)**

Lymph Node, Mandibular  
Hyperplasia, Lymphoid

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

Lymph Node, Mesenteric  
Angiectasis  
Autolysis  
Hyperplasia, Lymphoid  
Infiltration Cellular, Histiocyte  
Infiltration Cellular, Polymorphonuclear  
Sinus, Dilatation

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

4

1 2 1 3 2

3 4 2 2

Spleen  
Autolysis  
Hematopoietic Cell Proliferation  
Hyperplasia, Lymphoid

+ + A +

4

4 2 2 3 2 2 2 2 4 3 4 2 2 3 4 3

Thymus  
Atrophy  
Autolysis  
Hyperplasia, Lymphoid  
Mineralization  
Fat, Necrosis

+ + M +

4 2 3 4 2 2 2 2 2 2 2 3 2

4 2

**INTEGUMENTARY SYSTEM**

Mammary Gland  
Alveolus, Hyperplasia

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

1

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

Skin +

**MUSCULOSKELETAL SYSTEM**

Bone, Femur +

**NERVOUS SYSTEM**

Brain, Brain Stem  
 Compression + + + + + + + + + A + + + + + + + + + + + + + + +

Brain, Cerebellum  
 Meninges, Infiltration Cellular, Lymphocyte + + + + + + + + + A + + + + + + + + + + + + + + +

Brain, Cerebrum  
 Mineralization + + + + + + + + + A + + + + + + + + + + + + + + +  
 Meninges, Infiltration Cellular, Lymphocyte 1 1 2 1 1 1 1 1 1 1 1 1 1 1

**RESPIRATORY SYSTEM**

Lung  
 Autolysis + + + + + + + + + 4 + + + + + + + + + + + + + + + +  
 Crystals +  
 Hemorrhage +  
 Infiltration Cellular, Histiocyte +  
 Infiltration Cellular, Lymphocyte 2 1 2 1 1 1 2

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

**females  
(cont...)**

Inflammation, Chronic Active  
 Alveolar Epithelium, Hyperplasia

Nose +

Trachea + + + + + + + + + A + + + + + + + + + + + + + + +

**SPECIAL SENSES SYSTEM**

Eye + + A + + + + + + + A + + + + + + + + + + + + + + +  
 Cataract 1  
 Cornea, Inflammation, Chronic Active 2  
 Cornea, Necrosis 2

Harderian Gland + + A + + + + + + + A + + + + + + + + + + + + + + +  
 Infiltration Cellular, Lymphocyte 1 1 1 1  
 Inflammation, Chronic Active 4

**URINARY SYSTEM**

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

Urinary Bladder + + A + + + + + + + A + + + + + + + + + + + + + + +

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

**females (cont...)**

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

**ALIMENTARY SYSTEM**

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

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

Infiltration Cellular, Lymphocyte Inflammation, Chronic Active Necrosis Tension Lipidosis Vacuolization Cytoplasmic	1 1 1 2 1	2 3	1 3	1 3	1 3	1 3	1 3	1 3	1 3	1 3	1 3	1 3	1 3	1 3	1 3	1 3	1 3	1 3	1 3	1 3	1 3	1 3	1 3	1 3	1 3	1 3	1 3	1 3	<b>13 1.1</b> <b>2 1.0</b> <b>2 2.5</b> <b>11 1.5</b> <b>18 1.6</b>
Mesentery Fat, Necrosis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>8</b> <b>8 3.8</b>	
Pancreas Cytoplasmic Alteration Infiltration Cellular, Lymphocyte Acinus, Degeneration	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>46</b> <b>1 1.0</b> <b>18 1.2</b> <b>1 2.0</b>	
Salivary Glands Infiltration Cellular, Lymphocyte	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>47</b> <b>38 1.6</b>	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>46</b>	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>46</b>	

**CARDIOVASCULAR SYSTEM**

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>48</b>
Heart Polyarteritis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>47</b> <b>1 2.0</b>

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 BLANK .. Not examined microscopically  
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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
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0
<b>AZT-H to 0</b>	2	2	2	0	0	0	1	6	6	6	2	2	3	3	3	8	8	8	8	3	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
	<b>* TOTALS</b>																						

**ENDOCRINE SYSTEM**

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

**GENERAL BODY SYSTEM**

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

Tissue NOS 1  
 Fat, Necrosis 1 4.0

**GENITAL SYSTEM**

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

**HEMATOPOIETIC SYSTEM**

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

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

Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>48</b>
------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	-----------

**MUSCULOSKELETAL SYSTEM**

Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>48</b>
-------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	-----------

**NERVOUS SYSTEM**

Brain, Brain Stem Compression	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>47</b>	<b>1 1.0</b>
Brain, Cerebellum Meninges, Infiltration Cellular, Lymphocyte	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>47</b>	<b>1 1.0</b>
Brain, Cerebrum Mineralization	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>47</b>	<b>22 1.0</b>
Brain, Cerebrum Meninges, Infiltration Cellular, Lymphocyte																									<b>1 1.0</b>

**RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>48</b>	
Autolysis																									<b>1 4.0</b>
Crystals				4										3											<b>3 3.0</b>
Hemorrhage																						2			<b>1 2.0</b>
Infiltration Cellular, Histiocyte				2	4									3											<b>4 2.8</b>
Infiltration Cellular, Lymphocyte		2	2						1	2							2	2				2			<b>14 1.6</b>

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**CAS Number: AIDSTHERAPEU**

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

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

Inflammation, Chronic Active																								<b>1</b>	<b>3.0</b>	
Alveolar Epithelium, Hyperplasia																									<b>1</b>	<b>1.0</b>
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		<b>48</b>	
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		<b>47</b>	

**SPECIAL SENSES SYSTEM**

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		<b>46</b>			
Cataract																										<b>1</b>	<b>1.0</b>
Cornea, Inflammation, Chronic Active																										<b>1</b>	<b>2.0</b>
Cornea, Necrosis																										<b>1</b>	<b>2.0</b>
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		<b>46</b>		
Infiltration Cellular, Lymphocyte																										<b>6</b>	<b>1.0</b>
Inflammation, Chronic Active																										<b>1</b>	<b>4.0</b>

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		<b>46</b>		
Hyaline Droplet																										<b>1</b>	<b>3.0</b>
Infiltration Cellular, Lymphocyte																										<b>12</b>	<b>1.3</b>
Metaplasia, Osseous																										<b>3</b>	<b>2.0</b>
Nephropathy																										<b>25</b>	<b>1.2</b>
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		<b>46</b>		

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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	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	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
.....																								
<b>C57BL/6N XC3H/HEN MTV-NCTR</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
ANIMAL ID	6	6	6	7	7	7	7	7	7	7	8	8	9	9	9	9	9	9	9	9	0	0	0	0
<b>AZT-H to 0</b>	2	2	2	0	0	0	1	6	6	6	2	2	3	3	3	8	8	8	8	3	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	
																							<b>* TOTALS</b>	
Infiltration Cellular, Lymphocyte	1		2		1		1				1		1		1				1		1		<b>20 1.2</b>	

\* .. 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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 BLANK .. Not examined microscopically

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

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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

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

females  
(cont...)

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder Cyst Inflammation, Chronic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	M
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+
Intestine Small, Jejunum	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+
Liver Angiectasis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver Basophilic Focus																									
Liver Cyst Multilocular										X															
Liver Eosinophilic Focus																									
Liver Hematopoietic Cell Proliferation																									
Liver Infiltration Cellular, Lymphocyte																									

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 + .. Tissue examined microscopically  
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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	0
	2	5	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	3	6	0	0	1	1	1	3	7	7	7	0	1	1	2	3	3	3	3	3	3	3	2	3	3	2	
	9	0	2	1	6	1	0	3	1	2	5	7	4	9	9	2	2	2	1	3	3	3	4	4	4	7	
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	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	2	2	3	3	3	3	3	3	3	3	4	5	5	5	5	5
<b>AZT-M to 0</b>	2	7	1	2	3	4	4	5	9	9	2	8	0	2	2	3	3	3	3	3	9	9	4	1	1	6	6
	1	7	0	0	9	0	1	7	0	8	1	6	3	6	9	4	5	6	7	2	3	1	1	6	9	9	

females  
(cont...)

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

**CARDIOVASCULAR SYSTEM**

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

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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

	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	5	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	3	6	0	0	1	1	1	3	7	7	7	0	1	1	2	3	3	3	3	3	3	2	3	3
	9	0	2	1	6	1	0	3	1	2	5	7	4	9	9	2	2	2	1	3	3	3	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	0	0	0	0
	0	0	1	1	1	1	1	1	1	1	2	2	3	3	3	3	3	3	3	3	4	5	5	5
AZT-M to 0	2	7	1	2	3	4	4	5	9	9	2	8	0	2	2	3	3	3	9	9	4	1	1	6
ANIMAL ID	1	7	0	0	9	0	1	7	0	8	1	6	3	6	9	4	5	6	7	2	3	1	6	9

females  
(cont...)

**ENDOCRINE SYSTEM**

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

**GENERAL BODY SYSTEM**

Tissue NOS																							

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

females (cont...)

### GENITAL SYSTEM

Clitoral Gland Degeneration	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	M		
		4	4	4	4	4	3	4	4	4	4	4	4	4	4		4	2		4	3	4	3			
Ovary Angiectasis	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Ovary Atrophy		2		3	2	2		2	3	3	3	3	4	3	4	4	3	3	2	3	3	3	3	4		
Ovary Cyst									4			4	2		4	4										
Ovary Hematocyst																				X						
Ovary Infiltration Cellular, Lymphocyte												4														
Ovary Bilateral, Cyst																								4		
Ovary Germinal Epithelium, Hyperplasia				2		3					4													4		
Uterus Hydrometra	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Uterus Endometrium, Hyperplasia, Cystic		3	3	3	2		4		3	3	4	3	4	4	2	2	4	1	3	2	3	3	4	3	2	3

### HEMATOPOIETIC SYSTEM

Bone Marrow Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
												2										4			3
Lymph Node Hemorrhage																									
Lymph Node Hyperplasia, Lymphoid				+								+	+							+					+

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 Page 21

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



TDMS No. 20311 - 02  
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DAY ON TEST	0																										
	2	5	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7		
3	6	0	0	1	1	1	3	7	7	7	0	1	1	2	3	3	3	3	3	3	2	3	3	2			
9	0	2	1	6	1	0	3	1	2	5	7	4	9	9	2	2	2	1	3	3	3	4	4	7			
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	0																										
	0																										
	0																										
	0																										
<b>AZT-M to 0</b>	ANIMAL ID																										
	2	7	1	2	3	4	4	5	9	9	2	8	0	2	2	3	3	3	3	3	9	9	4	1	1	6	9
1	7	0	2	9	0	1	7	0	8	1	6	3	6	9	4	5	6	7	2	3	1	1	6	9			

Skin	+																							
Inflammation, Chronic Active	2																							
Ulcer	3																							

**MUSCULOSKELETAL SYSTEM**

Bone, Femur	+																							
Fibro-Osseous Lesion	1																							

**NERVOUS SYSTEM**

Brain, Brain Stem	+																							
Compression	2																							
Brain, Cerebellum	+																							
Brain, Cerebrum	+																							
Mineralization	1 1																							

**RESPIRATORY SYSTEM**

Lung	+																								
Congestion	4																								
Crystals	2												3												
Infiltration Cellular, Histiocyte	4												3												1

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 Page 23  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
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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
	2	5	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	3	6	0	0	1	1	1	3	7	7	7	0	1	1	2	3	3	3	3	3	3	2	3	3	2
	9	0	2	1	6	1	0	3	1	2	5	7	4	9	9	2	2	2	1	3	3	3	4	4	7
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	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	3	3	3	3	3	3	3	3	3	4	5	5	5
<b>AZT-M to 0</b>	2	7	1	2	3	4	4	5	9	9	2	8	0	2	3	3	3	3	9	9	4	1	1	6	6
<b>ANIMAL ID</b>	1	7	0	0	9	0	1	7	0	8	1	6	3	6	9	4	5	6	7	2	3	1	1	6	9

females  
(cont...)

Infiltration Cellular, Lymphocyte Alveolar Epithelium, Hyperplasia			1		2	2			2		2	1	2		2										
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Posterior To Upper Incisor, Dysplasia																			3						
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

**SPECIAL SENSES SYSTEM**

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

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+
Hyaline Droplet											3					3									
Infiltration Cellular, Lymphocyte	1	2				1	1	1	1	2				1					1					1	
Nephropathy				1	1	1	1					1	1	1		2		1				1	1	1	2
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+
Edema																									

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 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		2	5	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
		3	6	0	0	1	1	1	3	7	7	7	0	1	1	2	3	3	3	3	3	3	2	3	3	2	
		9	0	2	1	6	1	0	3	1	2	5	7	4	9	9	2	2	2	1	3	3	3	4	4	7	
-----																											
<b>C57BL/6N XC3H/HEN MTV-NCTR</b>		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>MICE FEMALE</b>		0	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	1	1	1	1	2	2	3	3	3	3	3	3	3	3	3	4	5	5	5
<b>AZT-M to 0</b>		2	7	1	2	3	4	4	5	9	9	2	8	0	2	2	3	3	3	3	3	9	9	4	1	1	6
		1	7	0	0	9	0	1	7	0	8	1	6	3	6	9	4	5	6	7	2	3	1	1	6	9	
-----																											
Infiltration Cellular, Lymphocyte									1		1	1	1			1	1	1		1							
Inflammation, Chronic Active									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 25

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	4	3	4	4	4	4	4	4	4	4	4	4	4
	7	3	9	9	9	9	9	9	9	0	0	9	1	1	0	3	3	5	5	4	5	5	5
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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
	5	6	7	7	7	7	7	7	8	8	8	8	8	8	9	9	0	0	0	0	0	0	0
<b>AZT-M to 0</b>	7	1	1	1	1	1	6	6	6	2	2	2	7	7	7	3	3	3	3	3	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
																							<b>* TOTALS</b>

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Cyst																							1 1.0
Inflammation, Chronic																2							1 2.0
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Angiectasis																							1 1.0
Basophilic Focus										X											X		2
Cyst Multilocular																							1
Eosinophilic Focus														X									1
Hematopoietic Cell Proliferation																2	3						2 2.5
Infiltration Cellular, Lymphocyte				1	1			2	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  
 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	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
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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
	5	6	7	7	7	7	7	7	8	8	8	8	8	8	9	9	0	0	0	0	0	0	0
<b>AZT-M to 0</b>	7	1	1	1	1	6	6	6	2	2	2	7	7	7	3	3	3	3	8	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
																							<b>* TOTALS</b>

Lumbar, Hyperplasia, Lymphoid																							<b>1 2.0</b>
Renal, Hyperplasia, Lymphoid																							<b>1 2.0</b>
Sinus, Dilatation																							<b>2 3.0</b>
.....																							
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Erythrophagocytosis																							<b>44</b>
Hyperplasia, Lymphoid																							<b>1 2.0</b>
																							<b>9 1.6</b>
.....																							
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia																							<b>46</b>
Hyperplasia, Lymphoid																							<b>1 3.0</b>
Infiltration Cellular, Histiocyte																							<b>17 1.8</b>
Infiltration Cellular, Plasma Cell																							<b>1 2.0</b>
																							<b>1 2.0</b>
.....																							
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic Cell Proliferation																							<b>47</b>
Hyperplasia, Lymphoid																							<b>13 3.0</b>
Necrosis																							<b>25 2.7</b>
																							<b>1 4.0</b>
.....																							
Thymus	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	M	+	+	+	+	+	+	
Atrophy																							<b>42</b>
Hyperplasia, Lymphoid																							<b>12 2.7</b>
																							<b>6 2.2</b>

**INTEGUMENTARY SYSTEM**

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lactation																							<b>46</b>
Alveolus, Hyperplasia																							<b>1 2.0</b>
																							<b>2 3.5</b>

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 + .. Tissue examined microscopically  
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 I .. Insufficient tissue  
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 BLANK .. Not examined microscopically  
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 2) Mild 4) Marked  
 Page 30



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
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
	3	3	3	3	3	3	3	3	3	4	4	3	4	4	4	4	4	4	4	4	4	4
	7	3	9	9	9	9	9	9	9	0	0	9	1	1	0	3	3	5	5	4	5	5
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	6	7	7	7	7	7	8	8	8	8	8	8	9	9	0	0	0	0	0	0	0
ANIMAL ID	7	1	1	1	1	6	6	6	2	2	2	7	7	7	3	3	3	3	3	8	8	8
<b>AZT-M to 0</b>	1	8	1	2	3	7	8	9	2	3	4	4	5	6	3	4	7	8	9	4	5	6
																						<b>* TOTALS</b>
Infiltration Cellular, Lymphocyte Alveolar Epithelium, Hyperplasia																						<b>13 1.7</b> <b>2 1.5</b>
Nose Posterior To Upper Incisor, Dysplasia	+ +																					<b>47</b> <b>1 3.0</b>
Trachea	+ +																					<b>47</b>
<b>SPECIAL SENSES SYSTEM</b>																						
Eye Cataract Bilateral, Cataract Cornea, Inflammation, Chronic Active	+ +																					<b>45</b> <b>1 2.0</b> <b>1 1.0</b> <b>1 1.0</b>
Harderian Gland Infiltration Cellular, Lymphocyte																						<b>47</b> <b>8 1.0</b>
<b>URINARY SYSTEM</b>																						
Kidney Hyaline Droplet Infiltration Cellular, Lymphocyte Nephropathy	+ +																					<b>46</b> <b>2 3.0</b> <b>16 1.3</b> <b>27 1.2</b>
Urinary Bladder Edema	+ +																					<b>46</b> <b>1 3.0</b>

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

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 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

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 2) Mild 4) Marked

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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

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

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

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1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

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TDMS No. 20311 - 02  
 Test Type: CHRONIC  
 Route: IN-UTERO  
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**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
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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	0	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	7
	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	2	3	3	3	3	3	4
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	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	4	5
<b>AZT-L to 0</b>	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
<b>ANIMAL ID</b>	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	+	A	M	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+
Cyst																	2								2
Infiltration Cellular, Lymphocyte														1											
Intestine Large, Cecum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Lymphoid																									
Intestine Large, Colon	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Diverticulum																									
Intestine Small, Ileum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Lymphoid																									
Intestine Small, Jejunum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Lymphoid									4																
Liver	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basophilic Focus																									
Eosinophilic Focus, Multiple																									

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 + .. Tissue examined microscopically  
 x .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
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 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
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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**  
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**CAS Number: AIDSTHERAPEU**

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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
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	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
<b>AZT-L to 0</b>	2	2	9	9	0	9	1	1	3	3	4	4	9	9	9	9	9	9	0	3	4	4	4	1
<b>ANIMAL ID</b>	0	3	7	8	1	6	6	7	8	9	0	1	4	5	6	7	8	9	0	9	2	3	4	7
Atrophy								3		2												3	3	3
Hyperplasia, Lymphoid												1								3	2	2	3	

females (cont...)

**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

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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

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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

	0	0	0	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	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	7
	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	3
	7	7	4	6	3	5	5	8	2	2	2	2	2	3	3	3	3	3	3	3	2	3	3	3	3	3	4
<b>C57BL/6N XC3H/HEN MTV-NCTR</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>MICE FEMALE</b>	0	0	0	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	2	2	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	5
<b>AZT-L to 0</b>	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	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	7	
Hemorrhage																											
Hydronephrosis																											
Infiltration Cellular, Lymphocyte					1	1	2	1				1	3		1		2	2	1				2				
Metaplasia, Osseous														2						2							
Nephropathy	4							2		1		1		1					1	2						1	
Adventitia, Inflammation, Chronic Active								4																			
Adventitia, Fat, Necrosis								4																			
Urinary Bladder	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Infiltration Cellular, Lymphocyte			1	1	1	1	1				1	1					2			1	1		2				1

females (cont...)

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BLANK .. Not examined microscopically  
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1) Minimal 3) Moderate  
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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	
	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
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	5	5	5	5	5	6	6	6	6	7	7	7	7	7	7	8	8	8	9	9	0
<b>AZT-L to 0</b>	1	1	6	7	7	7	7	2	2	2	2	1	1	7	7	7	2	2	2	8	8	8	4
	8	9	7	2	3	4	5	3	4	5	6	4	5	0	1	2	3	5	6	7	4	5	0
																							<b>* TOTALS</b>

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Gallbladder Cyst	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Infiltration Cellular, Lymphocyte																							2 2.0 1 1.0
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Hyperplasia, Lymphoid																					2	2	2 2.0
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Diverticulum	4																						1 4.0
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Hyperplasia, Lymphoid																							2 1.5
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Hyperplasia, Lymphoid																							1 4.0
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Basophilic Focus		X					X		X														3
Eosinophilic Focus, Multiple											X												1

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**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
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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	
	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	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	
<b>C57BL/6N XC3H/HEN MTV-NCTR</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
<b>AZT-L to 0</b>	5	5	5	5	5	5	6	6	6	6	7	7	7	7	7	7	8	8	8	8	9	9	0	
<b>ANIMAL ID</b>	1	1	6	7	7	7	2	2	2	2	1	1	7	7	7	2	2	2	2	8	8	8	4	
	8	9	7	2	3	4	5	3	4	5	6	4	5	0	1	2	3	5	6	7	4	5	0	
																							<b>* TOTALS</b>	
Infiltration Cellular, Lymphocyte				1		1			2	1									1	1			<b>12 1.1</b>	
Inflammation, Chronic Active					1									1							1		<b>3 1.0</b>	
Mixed Cell Focus																							<b>1</b>	
Tension Lipidosis																				1			<b>5 1.0</b>	
Vacuolization Cytoplasmic		1		1		2	2	1		2				1	1								<b>19 1.5</b>	
Mesentery	+	+					+														+		<b>11</b>	
Cyst																							<b>1 4.0</b>	
Hemorrhage			4																				<b>2 4.0</b>	
Fat, Necrosis	4	2					3														4		<b>11 3.5</b>	
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>46</b>	
Cyst					4																		<b>1 4.0</b>	
Edema																							<b>1 2.0</b>	
Infiltration Cellular, Lymphocyte						1					1	1			2		1	1			1		<b>13 1.1</b>	
Inflammation, Chronic Active																							<b>1 4.0</b>	
Necrosis																							<b>1 4.0</b>	
Acinus, Degeneration														2			1						<b>2 1.5</b>	
Fat, Necrosis																					3		<b>1 3.0</b>	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>46</b>	
Infiltration Cellular, Lymphocyte			1	2	1	2	2	2	1	1	2	2	2	1	1	1		2	3	1		2	2	<b>39 1.6</b>
Stomach, Forestomach	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>45</b>	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>45</b>	
Inflammation, Chronic Active										2													<b>1 2.0</b>	
Epithelium, Hyperplasia																							<b>1 2.0</b>	

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TDMS No. 20311 - 02  
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 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  
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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		
		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	4	4	4		
		2	2	7	7	7	6	6	7	7	7	7	9	5	9	9	9	9	9	4	4	4		
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	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	1		
		5	5	5	5	5	5	6	6	6	6	7	7	7	7	7	8	8	8	8	9	9		
		1	1	6	7	7	7	2	2	2	2	1	1	7	7	7	2	2	2	8	8	4		
<b>AZT-L to 0</b>		8	9	7	2	3	4	5	3	4	5	6	4	5	0	1	2	3	5	6	7	4	5	0
																							<b>* TOTALS</b>	

**CARDIOVASCULAR SYSTEM**

Blood Vessel	+ +	46
Heart	+ +	46

**ENDOCRINE SYSTEM**

Adrenal Cortex	+ +	46	
Accessory Adrenal Cortical Nodule			3
Cyst		1	1 1.0
Vacuolization Cytoplasmic	2		6 3.2
Subcapsular, Hyperplasia	2 1 2 2 2 2 2 2 2 2 2 2 2 2 1 3 2 1 2 2 2 1 2		45 1.9
Adrenal Medulla	+ + + + + + + + + + + + + + M + + + + + + + + + +	43	
Islets, Pancreatic	+ +	46	
Hyperplasia		2	4 1.3
Parathyroid Gland	+ + + + M + + + + + + M + + + M + + + + + + + +	40	
Cyst	1		1 1.0
Pituitary Gland	+ + + + + + M + + + + + + + + + + + + + + + + +	44	
Hemorrhage			1 4.0
Pars Distalis, Angiectasis			1 1.0
Pars Distalis, Cyst		2 2	6 2.2
Pars Distalis, Hyperplasia			7 1.9

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 Page 44

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

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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
	3	3	2	3	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	
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	5	5	5	5	6	6	6	6	7	7	7	7	7	7	8	8	8	8	9	9	0	
	1	1	6	7	7	7	2	2	2	2	2	1	1	7	7	7	2	2	2	8	8	8	4	
<b>AZT-L to 0</b>	8	9	7	2	3	4	5	3	4	5	6	4	5	0	1	2	3	5	6	7	4	5	0	
<b>* TOTALS</b>																								

Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>46</b>		
Infiltration Cellular, Lymphocyte																										<b>1 1.0</b>	
Follicle, Degeneration	1							1																		<b>7 1.0</b>	
Follicular Cell, Hyperplasia														1												<b>1 1.0</b>	

**GENERAL BODY SYSTEM**

Tissue NOS																											<b>1</b>		
------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----------	--	--

**GENITAL SYSTEM**

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	<b>44</b>		
Degeneration	4	3	4	4	3		4	2	2	4	4	4	4	3	4	3		4	4	4	4	4	3			<b>41 3.7</b>	
Ovary	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>45</b>		
Atrophy	3	3	3	4	3	3		3	3	3	3	3	3	4	3	3		2	3	4	4	3	3			<b>44 3.2</b>	
Cyst			3	4							4				2			2		4	4					<b>14 3.3</b>	
Bilateral, Cyst				3																						<b>3 3.3</b>	
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>46</b>		
Angiectasis																										<b>1 4.0</b>	
Hydrometra								4		4									4		4					<b>5 4.0</b>	
Thrombosis																										<b>1 4.0</b>	
Endometrium, Hyperplasia, Cystic	2	2	4	3	4	3		2	3				3	2	4	4	2	3	3		2		4			<b>38 2.8</b>	

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

Atrophy																									<b>13</b>	<b>2.7</b>
Hyperplasia, Lymphoid	3	2	3			3	2							4				2	2						<b>12</b>	<b>2.4</b>
							3	3	1								3	3			3	2				

**INTEGUMENTARY SYSTEM**

Mammary Gland																										<b>45</b>	
Lactation	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		<b>2</b>	<b>2.0</b>
Alveolus, Hyperplasia																										<b>1</b>	<b>3.0</b>
Skin																										<b>46</b>	

**MUSCULOSKELETAL SYSTEM**

Bone, Femur																										<b>47</b>	
Fibro-Osseous Lesion	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		<b>1</b>	<b>4.0</b>

**NERVOUS SYSTEM**

Brain, Brain Stem																										<b>46</b>	
Compression	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		<b>1</b>	<b>3.0</b>
Hemorrhage																										<b>1</b>	<b>2.0</b>
Brain, Cerebellum																										<b>46</b>	
Brain, Cerebrum																										<b>46</b>	
Mineralization	1	1	1					1	1			1	1			1	1	1	1	1		1			<b>26</b>	<b>1.0</b>	

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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	
	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	
	2	2	7	7	7	6	6	7	7	7	7	9	5	9	9	9	9	9	9	9	4	4	

---

<b>C57BL/6N XC3H/HEN MTV-NCTR</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>MICE FEMALE</b>	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	5	6	6	6	6	7	7	7	7	7	7	8	8	8	9	9	
<b>AZT-L to 0</b>	1	1	6	7	7	7	7	2	2	2	1	1	7	7	7	7	2	2	2	8	8	4	
	8	9	7	2	3	4	5	3	4	5	6	4	5	0	1	2	3	5	6	7	4	5	* TOTALS

**RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46	
Crystals				4																				1 4.0
Infiltration Cellular, Histiocyte				4																				1 4.0
Infiltration Cellular, Lymphocyte						1			1					2	1				2		1			14 1.5
Inflammation, Chronic Active							1											2						2 1.5
Alveolar Epithelium, Hyperplasia						2																		1 2.0
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46	
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46	

**SPECIAL SENSES SYSTEM**

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46	
Cataract																								1 1.0
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46	
Infiltration Cellular, Lymphocyte																					1			6 1.0

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46	
Amyloid Deposition																								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																						* TOTALS																				
	7																																										
	3																																										
	2																																										
.....																																											
C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	0																																										
	0																																										
ANIMAL ID	5																																										
	1																																										
AZT-L to 0	8																																										
.....																																											
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			1		23 1.3																				
Adventitia, Inflammation, Chronic Active																																											1 4.0
Adventitia, Fat, Necrosis																																											1 4.0
.....																																											
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46																				
Infiltration Cellular, Lymphocyte	1	1		1	1		1		1				1					2		1		1	21 1.1																				

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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	Animals																											
	0	0	0	0	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	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	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	3	3	3	1	7	8	7	

  

ANIMAL ID	Animals																												
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	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	3	3	3	4	4	4	4	4	4	4	4	4	4	5	6	6	6	
1	9	0	1	2	3	4	5	9	9	1	4	4	0	0	0	4	4	4	4	4	4	9	7	2	2	2	2	2	8
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	8	8	8	8	

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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Page 50

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
ANIMAL ID		1	5	5	6	5	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>AZT-H/3TC-H to 0</b>		0	0	1	1	1	1	1	2	2	2	2	3	3	3	4	4	4	4	4	4	4	5	6
		1	9	0	1	2	3	3	4	5	9	9	1	4	4	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	6	7
Mixed Cell Focus																								
Tension Lipidosis																								
Vacuolization Cytoplasmic		1					2				2		4	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																								

females (cont...)

**CARDIOVASCULAR SYSTEM**

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

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
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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																								
	1																								
DAY ON TEST	7																								
	8																								
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>C57BL/6N XC3H/HEN MTV-NCTR</b>	0	0	1	1	1	1	1	2	2	2	3	3	4	4	4	4	4	4	4	4	4	4	5	6	
<b>MICE FEMALE</b>	1	9	0	1	2	3	3	4	5	9	9	1	4	4	0	0	4	4	4	4	9	7	2	2	
<b>AZT-H/3TC-H to 0</b>	0	2	2	6	1	3	4	0	2	5	7	0	2	3	1	2	3	6	7	8	9	9	6	7	<b>females (cont...)</b>

Heart +

**ENDOCRINE SYSTEM**

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

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
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 M .. Missing tissue  
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 1) Minimal 3) Moderate  
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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

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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	
	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 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		

females  
(cont...)

GENERAL BODY SYSTEM

---

Tissue NOS																											
Hemorrhage																										+	
Infiltration Cellular, Lymphocyte																											4
																											4

GENITAL SYSTEM

---

Clitoral Gland	M	+	M	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	M	+	+	+	+	+		
Atrophy							4																				
Degeneration		4		4	4	4		3	4	4	4		4	4	4	4	3	3	3		4	4	4	4	4		
.....																											
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Atrophy			3	2	2	3		3		3	3	4	3	3	4	2	3	3	3	1	3	3	3				
Cyst			3			3						2	3		3		4							3			
Hematocyst	X	X																				X					
Bilateral, Cyst																											
.....																											
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Hydrometra							4	4												4		4					
Endometrium, Hyperplasia, Cystic		2	2	3	3	3				3	3	2	2	3	2	4	3	1	3	2		2		3	4	4	

HEMATOPOIETIC SYSTEM

---

Bone Marrow	+	+	+	+	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pigmentation																									

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

females (cont...)

Lymph Node	+	+	+					+														+	
Lumbar, Hyperplasia, Lymphoid				3																			
Lumbar, Infiltration Cellular, Plasma Cell				3																			
Mediastinal, Hyperplasia, Lymphoid			2																				
Renal, Hyperplasia, Lymphoid				3																			
Renal, Infiltration Cellular, Plasma Cell				3																			
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Lymphoid				1	1	4							1	1	1			2	2				
Lymph Node, Mesenteric	+	A	M	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage																							
Hyperplasia, Lymphoid				1		2	3				1		2					2	3	1			
Infiltration Cellular, Histiocyte																							
Infiltration Cellular, Plasma Cell																					3	3	
Inflammation, Chronic Active							4						4										
Spleen	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	
Hematopoietic Cell Proliferation				2			3					2			2			2					
Hyperplasia, Lymphoid				3		3	4					2	3	3	3	2	3	2	2		3		3
Thymus	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	
Atrophy							2						2	2	2			3	3		4		2
Hyperplasia, Lymphoid						2																	

**INTEGUMENTARY SYSTEM**

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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																								
		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
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	0																								
		0	0	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	6
<b>AZT-H/3TC-H to 0</b>	1	9	0	1	2	3	3	4	5	9	9	1	4	4	0	0	4	4	4	4	9	7	2	2	
ANIMAL ID	females (cont...)																								
	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

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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
		1		1		1		1	1	1		1	1	1		1	1	1	1	1	1	1	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

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

Page 55

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	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
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	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	6
<b>AZT-H/3TC-H to 0</b>	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...)

**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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 Page 56



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

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
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 CAS Number: AIDSTHERAPEU

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 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	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
<b>C57BL/6N XC3H/HEN MTV-NCTR</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>AZT-H/3TC-H to 0</b>	0	0	1	1	1	1	1	2	2	2	2	3	3	3	4	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	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
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			
Urinary Bladder	+	+	+	+	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Infiltration Cellular, Lymphocyte									1			2	1				2	1			1	1			1

females  
(cont...)

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 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
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 2) Mild 4) Marked  
 Page 57

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

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48	
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46	
Intestine Large, Cecum Hyperplasia, Lymphoid	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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													1	1				2		1			13 1.4	
Inflammation, Chronic Active																							2 1.0	

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+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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1-4 .. Lesion qualified as:

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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

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 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	
	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	
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	
ANIMAL ID	6	6	6	6	7	7	7	7	7	7	7	7	8	8	8	9	9	9	0	0	0	0	0	
<b>AZT-H/3TC-H to 0</b>	0	1	2	3	6	7	8	9	4	5	6	7	8	9	0	6	7	8	1	2	3	7	8	<b>* TOTALS</b>
Mixed Cell Focus																								
Tension Lipidosis	2	2																	X					<b>1</b>
Vacuolization Cytoplasmic										2		2	1		2		1	1		2		2	2	<b>6 1.7</b>
.....																								
Mesentery																								<b>6</b>
Hemorrhage																								<b>2 3.5</b>
Infiltration Cellular, Lymphocyte																								<b>1 3.0</b>
Fat, Necrosis					4																			<b>5 3.8</b>
.....																								
Pancreas																								<b>48</b>
Infiltration Cellular, Lymphocyte																								<b>18 1.2</b>
.....																								
Salivary Glands																								<b>48</b>
Infiltration Cellular, Lymphocyte																								<b>39 1.4</b>
Acinus, Degeneration																								<b>1 2.0</b>
.....																								
Stomach, Forestomach																								<b>47</b>
Hyperkeratosis																								<b>2 2.0</b>
Epithelium, Hyperplasia																								<b>1 2.0</b>
.....																								
Stomach, Glandular																								<b>46</b>
Degeneration, Hyaline																								<b>2 3.0</b>
Inflammation, Chronic Active																								<b>2 2.5</b>
Epithelium, Hyperplasia																								<b>2 3.0</b>

**CARDIOVASCULAR SYSTEM**

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
																								<b>48</b>

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 Page 59  
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TDMS No. 20311 - 02  
Test Type: CHRONIC  
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Species/Strain: MICE/B6C3F1/NCTR

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

Heart + **48**

**ENDOCRINE SYSTEM**

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

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

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

**INTEGUMENTARY SYSTEM**

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

\* .. 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 63

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

**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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 CAS Number: AIDSTHERAPEU

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

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

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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	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		
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	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	2	3	3	3	3	4	4	4	4	5	5	6	6	6	6
<b>AZT-M/3TC-M to 0</b>	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
Hematopoietic Cell Proliferation							4																				
Infiltration Cellular, Lymphocyte									1			1		1	1	1											2
Inflammation, Chronic Active				1																							2
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																											X
Hemorrhage															2												
Infiltration Cellular, Lymphocyte															3												
Fat, Necrosis															3						4						
Pancreas	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Infiltration Cellular, Lymphocyte				1					2		2	1			1	1			1	1	1					1	
Acinus, Degeneration																											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	1	1	2	2	2	
Stomach, Forestomach																											
Keratin Cyst	X																										
Stomach, Glandular	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

females (cont...)

**CARDIOVASCULAR 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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 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
<b>C57BL/6N XC3H/HEN MTV-NCTR</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>AZT-M/3TC-M to 0</b>	0	1	1	1	1	1	1	1	2	2	2	3	3	3	3	4	4	4	4	5	5	6	6	6	6
<b>ANIMAL ID</b>	6	0	2	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	0	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																					

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TDMS No. 20311 - 02  
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 Route: IN-UTERO  
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 AZT/Drug Combinations Transplacental Carcinogenesis Study  
**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	
	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	8
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	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	6	
<b>AZT-M/3TC-M to 0</b>	6	0	2	2	4	7	7	9	1	5	7	8	0	4	4	4	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...)

Follicle, Degeneration 1  
 Follicular Cell, Hyperplasia 2  
 Follicular Cell, Hypertrophy 2

**GENERAL BODY SYSTEM**

Tissue NOS + +

**GENITAL SYSTEM**

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	4	4	4	4	4	4	4	4	4	4	4	4	4	3	4	4	4	4	4	3		4	4	3	
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	3	2	4	2	3				3	3	3			4	3	4	3	3	3	3	3	2	3	3	
Cyst	3			2	4			4								4					2				
Hematocyst			X																						
Bilateral, Cyst										2										2					
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis				2																					
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

**HEMATOPOIETIC SYSTEM**

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 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	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
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	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	8
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>AZT-M/3TC-M to 0</b>	0	0	0	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	2	3	3	3	3	4	4	4	4	5	5	6	6	6
	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	
	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	
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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	
Atrophy						3			2	4	2			4				3	3			2			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  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked  
 Page 70

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...)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
0 5 3 8	0 5 8	0 5 7	0 6 9	0 6 0	0 6 1	0 6 4	0 6 6	0 6 6	0 6 7	0 6 9	0 6 9	0 6 1	0 6 1	0 6 3	0 6 3	0 6 3	0 6 3	0 6 3	0 6 3	0 6 3	0 6 3	0 6 4	0 6 4	0 6 1	0 6 8	0	
C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE AZT-M/3TC-M to 0	ANIMAL ID																										
	0 0 6 0	0 0 1 0	0 0 1 2	0 0 1 1	0 0 1 1	0 0 1 1	0 0 1 2	0 0 1 2	0 0 1 5	0 0 1 7	0 0 1 8	0 0 1 4	0 0 1 4	0 0 1 4	0 0 1 5	0 0 1 0	0 0 1 1	0 0 1 2	0 0 1 3	0 0 1 0	0 0 1 2	0 0 1 3	0 0 1 4	0 0 1 9		0 0 1 0	0
	0 0 0 0	0 0 1 1	0 0 1 1	0 0 1 1	0 0 1 1	0 0 1 1	0 0 1 2	0 0 1 2	0 0 1 5	0 0 1 7	0 0 1 8	0 0 1 4	0 0 1 4	0 0 1 4	0 0 1 5	0 0 1 0	0 0 1 1	0 0 1 2	0 0 1 3	0 0 1 0	0 0 1 2	0 0 1 3	0 0 1 4	0 0 1 9		0 0 1 0	0

**INTEGUMENTARY SYSTEM**

Mammary Gland																									
Galactocele																									3
Alveolus, Hyperplasia																									3
Skin																									

**MUSCULOSKELETAL SYSTEM**

Bone, Femur																									
Fibro-Osseous Lesion																									2
Skeletal Muscle																									+

**NERVOUS SYSTEM**

Brain, Brain Stem																									
Compression																									3
Brain, Cerebellum																									
Brain, Cerebrum																									
Mineralization																									

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 1-4 .. Lesion qualified as:  
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 Page 71

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	8
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	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	4	5	5	6	6	6	
<b>AZT-M/3TC-M to 0</b>	6	0	2	2	4	7	7	9	1	5	7	8	0	4	4	5	5	5	5	2	2	1	2	3	
<b>ANIMAL ID</b>	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
Inflammation, Chronic Active																								3
Alveolar Epithelium, Hyperplasia																								2 2
Alveolar Epithelium, Hyperplasia																								1
Nose	+ +																							
Trachea	+ +																							

SPECIAL SENSES SYSTEM

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

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 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked  
 Page 72





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

**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																								
Basophilic Focus, Multiple																								X
Clear Cell Focus																								
Congestion																								X
Eosinophilic Focus																								
Hematocyst																								

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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	
	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	
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	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	0	0	0	1	1	1	1	
	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	
<b>AZT-M/3TC-M to 0</b>	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																										
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	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  
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I .. Insufficient tissue

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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																							
	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 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																							
<b>C57BL/6N XC3H/HEN MTV-NCTR</b>	0 0																							
<b>MICE FEMALE</b>	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1																							
<b>AZT-M/3TC-M to 0</b>	6 6 7 7 7 8 8 8 8 8 8 9 9 9 9 9 0 0 0 1 1 2 2 2																							
<b>ANIMAL ID</b>	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																							
	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																							
Blood Vessel	+ + + + + A +																							
Heart	+ + + + + A +																							
Cardiomyopathy																								
Mineralization																								

females  
(cont...)

**ENDOCRINE SYSTEM**

Adrenal Cortex	+ + + + + A +																							
Accessory Adrenal Cortical Nodule	X																							
Vacuolization Cytoplasmic																								
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																							
Thyroid Gland	+ + + + + A +																							
Cyst																								
Ectopic Thymus																								

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 Lab: NCTR

DAY ON TEST	0																								0			
	7																											
	3																								3			
	8																											
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	<b>females (cont...)</b>
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>C57BL/6N XC3H/HEN MTV-NCTR</b>	6	6	7	7	7	8	8	8	8	8	8	8	8	8	9	9	9	9	0	0	0	1	1	1	1	1	1	
<b>MICE FEMALE</b>	3	3	2	2	2	1	3	3	3	3	7	7	7	7	3	3	8	9	4	8	9	2	2	0	5	5		
<b>AZT-M/3TC-M to 0</b>	1	2	0	1	2	9	1	2	3	4	7	8	9	5	6	9	0	4	9	0	4	9	0	4	5	7		
Follicle, Degeneration	2												1						1									
Follicular Cell, Hyperplasia																									3			
Follicular Cell, Hypertrophy																												

**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	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	3	4				2	2
Cyst Hematocyst Bilateral, Cyst			4	2						2		4	4	4	4						3				4		4
Uterus Angiectasis	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hydrometra										4																	
Endometrium, Hyperplasia, Cystic	4	2	3	3	2		1	4		4	2	3	3	3	4	3	3	3	3	3	3	2	3	1	3	2	

**HEMATOPOIETIC SYSTEM**

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

females (cont...)

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 + .. Tissue examined microscopically  
 x .. Lesion present  
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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

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

**females (cont...)**

**INTEGUMENTARY SYSTEM**

Mammary Gland	+ + + + + A + + + + + + + + + + + + + + + + + + +
Galactocele	
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 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  
 Page 79

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	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	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	8	9	9	9	9	0	0	0	1	1	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		
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		

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																								

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+ .. 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:  
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	7	7	7	7	7	7	7	7	7	6	7	7
ANIMAL ID	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	0	2	2	2	3	2	4	4	5	5	5	6	6	0	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	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	8	9	9	9	9	9	9	9	0	1	2	2
	3	3	2	2	2	1	3	3	3	3	7	7	7	7	3	3	8	9	4	8	9	2	2	0	5
	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
																									<b>females (cont...)</b>

**URINARY SYSTEM**

Kidney	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyaline Droplet																										
Infiltration Cellular, Lymphocyte	1	1			1			1								1	1			1					2	
Metaplasia, Osseous										2																
Nephropathy				1	1		1		1	1	1	1	1								2	1	1		1	
Urinary Bladder	+	+	+	M	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infiltration Cellular, Lymphocyte	1	1					1		1				2	1				1	1	1	1	1			1	

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		
.....		
<b>C57BL/6N XC3H/HEN MTV-NCTR</b>		0
<b>MICE FEMALE</b>		1
		2
	ANIMAL ID	6
<b>AZT-M/3TC-M to 0</b>		0
		<b>* TOTALS</b>

**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

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+ .. Tissue examined microscopically

x .. Lesion present

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M .. Missing tissue

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

**CARDIOVASCULAR SYSTEM**

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+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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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		
	7		
	3		
	8		
.....			
<b>C57BL/6N XC3H/HEN MTV-NCTR</b>	0		
<b>MICE FEMALE</b>	1		
	2		
ANIMAL ID	6		
<b>AZT-M/3TC-M to 0</b>	0		
			<b>* TOTALS</b>
Blood Vessel	+		<b>49</b>
.....			
Heart	+		<b>50</b>
Cardiomyopathy			<b>1 2.0</b>
Mineralization			<b>1 2.0</b>

**ENDOCRINE SYSTEM**

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

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x .. Lesion present

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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

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

Lab: NCTR

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

**GENERAL BODY SYSTEM**

Tissue NOS			<b>2</b>
------------	--	--	----------

**GENITAL SYSTEM**

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

**HEMATOPOIETIC SYSTEM**

--	--	--	--	--

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+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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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**

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

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1-4 .. Lesion qualified as:

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

**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

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I .. Insufficient tissue

M .. Missing tissue

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1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

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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

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

Peripheral Nerve

1

Spinal Cord

1

**RESPIRATORY SYSTEM**

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

**SPECIAL SENSES SYSTEM**

Eye	+				<b>49</b>	
Cataract						<b>1 1.0</b>
Harderian Gland	+				<b>50</b>	
Cyst						<b>1 2.0</b>
Infiltration Cellular, Lymphocyte						<b>4 1.3</b>
Acinus, Degeneration						<b>1 1.0</b>

\* .. 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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TDMS No. 20311 - 02

Test Type: CHRONIC

Route: IN-UTERO

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

**URINARY SYSTEM**

Kidney	+	50	
Hyaline Droplet			1 4.0
Infiltration Cellular, Lymphocyte			17 1.1
Metaplasia, Osseous			2 1.5
Nephropathy			23 1.1
<hr/>			
Urinary Bladder	+	49	
Infiltration Cellular, Lymphocyte	1		26 1.1

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+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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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	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	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	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	0	1	1	1	1	2	2	2	2	2	3	3	3	3	3	4	4	4	4	4	4	4	4	5	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	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	6	8	2				

females  
(cont...)

**ALIMENTARY SYSTEM**

Esophagus	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder Infiltration Cellular, Lymphocyte	+	A	+	A	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
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 Hyperplasia, Lymphoid	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver Basophilic Focus Eosinophilic Focus Infiltration Cellular, Lymphocyte Inflammation, Chronic Active	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
										X											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

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
ANIMAL ID		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
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	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	5
		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
<b>AZT-L/3TC-L to 0</b>		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	2	1	2	1	1				1		2	
Mesentery											+	+					+		+	+				+		
Hemorrhage																		4								
Fat, Necrosis									4						4			4						4		
Pancreas		+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Infiltration Cellular, Lymphocyte													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	1	2	1
Stomach, Forestomach		+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Epithelium, Hyperplasia		2																								
Stomach, Glandular		+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active																			2							
Epithelium, Hyperplasia												3							3							

**CARDIOVASCULAR SYSTEM**

Blood Vessel	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 91

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

DAY ON TEST	0																							
	3																							
ANIMAL ID	6																							
	1																							
C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE AZT-L/3TC-L to 0	0																							
	0																							
ANIMAL ID	0																							
	2																							
Necrosis	1																							

females  
(cont...)

**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 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**

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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
	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	1	4	4
<b>C57BL/6N XC3H/HEN MTV-NCTR</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>AZT-L/3TC-L to 0</b>	0	0	0	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	4	4	4	4	4	4	4	5
<b>ANIMAL ID</b>	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	

females (cont...)

NONE

**GENITAL SYSTEM**

Clitoral Gland Atrophy Degeneration	+	M	+	A	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	M	+
	4		4		4	4	4	4	4	4			4	4	4	4	4	4	4	4	4	3	4		
Ovary Atrophy Cyst Hematocyst Bilateral, Cyst Fat, Necrosis	+	A	+	A	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+
					4	3				3	3		3	4	3	4	4	4	3	3		3	3	3	3
							4		2				2	4					4						
								X														X			
																									2
Uterus Angiectasis Hydrometra Endometrium, Hyperplasia, Cystic	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
																						2			
					2	2	2	2		3	3	3	2	3	2	3	2	3	4	3		2	2	2	3

**HEMATOPOIETIC SYSTEM**

Bone Marrow Hyperplasia	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
											3														
Lymph Node Lumbar, Hyperplasia, Lymphoid	+	A	+				+		+	+	+														+
											1			2											

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 Page 93





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

females (cont...)

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

SPECIAL SENSES SYSTEM

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

URINARY SYSTEM

Kidney Hyaline Droplet Infiltration Cellular, Lymphocyte Metaplasia, Osseous Nephropathy	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
--	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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Page 96



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	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
<b>C57BL/6N XC3H/HEN MTV-NCTR</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>ANIMAL ID</b>	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
<b>AZT-L/3TC-L to 0</b>	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...)**

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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	
	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	
<b>C57BL/6N XC3H/HEN MTV-NCTR</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>MICE FEMALE</b>	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	
<b>AZT-L/3TC-L to 0</b>	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	<b>* TOTALS</b>

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	
Basophilic Focus																								2
Eosinophilic Focus								X																1
Infiltration Cellular, Lymphocyte																								10 1.1
Inflammation, Chronic Active																								2 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	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	6	6	6	6	5	7	7	7	7
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	6	7	7	8	8	8	8	8	9	9	9	9	0	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	
<b>AZT-L/3TC-L to 0</b>	3	6	7	8	3	4	5	4	5	3	4	0	1	2	3	7	8	9	0	1	6	7	8	
Mixed Cell Focus																								2
Necrosis																								1 4.0
Tension Lipidosis							2				1										2			8 1.5
Vacuolization Cytoplasmic							1	3						1			3	1			1	1	1	21 1.7
Mesentery		+					+							+						+	+			11
Hemorrhage																								1 4.0
Fat, Necrosis		4					4							3						4	3			9 3.8
Pancreas		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Infiltration Cellular, Lymphocyte		1	1				2	1			1			1	2		1		1		2	1		16 1.2
Acinus, Degeneration													1											1 1.0
Salivary Glands		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Infiltration Cellular, Lymphocyte		2		1		2	2	2	2	2	2	1	2		1	2	1	1	1	2	2		1	38 1.6
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Epithelium, Hyperplasia						2																		2 2.0
Stomach, Glandular		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Inflammation, Chronic Active						2																		2 2.0
Epithelium, Hyperplasia																								2 3.0

**CARDIOVASCULAR SYSTEM**

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	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

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	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
<b>C57BL/6N XC3H/HEN MTV-NCTR</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
<b>AZT-L/3TC-L to 0</b>	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	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
																						<b>* TOTALS</b>
Necrosis																						<b>1 1.0</b>

**ENDOCRINE SYSTEM**

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

**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

Page 100

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
	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
<b>C57BL/6N XC3H/HEN MTV-NCTR</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>MICE FEMALE</b>	0	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	6	7	7	8	8	8	8	8	9	9	9	9	0	1	1
<b>AZT-L/3TC-L to 0</b>	2	6	7	7	3	3	3	7	7	2	2	8	8	8	8	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
	<b>* TOTALS</b>																						

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																							3
Bilateral, Cyst																							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

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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
	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
.....																							
<b>C57BL/6N XC3H/HEN MTV-NCTR</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
<b>AZT-L/3TC-L to 0</b>	5	5	5	5	6	6	6	6	6	7	7	8	8	8	8	9	9	9	9	0	1	1	1
ANIMAL ID	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	8
																						<b>* TOTALS</b>	

Mediastinal, Hyperplasia, Lymphoid																							<b>2</b>	<b>1.5</b>
Renal, Hyperplasia, Lymphoid																							<b>2</b>	<b>2.0</b>
.....																								

Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>45</b>				
Hyperplasia, Lymphoid				4				2	3				2			1	1				1	1					<b>15</b>	<b>1.5</b>
Infiltration Cellular, Plasma Cell																								<b>2.0</b>				
.....																												

Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>46</b>					
Angiectasis																								<b>1</b>	<b>2.0</b>				
Hyperplasia, Lymphoid				2				3	3	2	2				2	2	2	2	2			2	1	2				<b>20</b>	<b>2.0</b>
Infiltration Cellular, Histiocyte																								<b>1</b>	<b>2.0</b>				
Infiltration Cellular, Plasma Cell																								<b>3</b>	<b>3.3</b>				
.....																													

Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>48</b>			
Hematopoietic Cell Proliferation																							<b>2</b>	<b>10</b>	<b>2.7</b>		
Hyperplasia, Lymphoid	2	3	2	3	4	3	3	4				2	2	4	4	4	3			3	2	3				<b>31</b>	<b>2.9</b>
.....																											

Thymus	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	M	+	+	+	+	<b>43</b>				
Atrophy				3	2	2				4				3	2	3								<b>15</b>	<b>2.5</b>			
Hyperplasia, Lymphoid				3	3			2			2												1				<b>7</b>	<b>2.1</b>
.....																												

**INTEGUMENTARY SYSTEM**

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>45</b>
.....																								

Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>46</b>
.....																								

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+ .. 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:

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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

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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
	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
<b>C57BL/6N XC3H/HEN MTV-NCTR</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>MICE FEMALE</b>	0	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	6	7	7	8	8	8	8	9	9	9	9	0	1	1	1
<b>AZT-L/3TC-L to 0</b>	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
																							<b>* TOTALS</b>

MUSCULOSKELETAL SYSTEM

Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibro-Osseous Lesion																							<b>48</b>
																							<b>1 4.0</b>
Skeletal Muscle																							<b>1</b>

NERVOUS SYSTEM

Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
																							<b>47</b>
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
																							<b>47</b>
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mineralization	1		1	1	1	1	1		1	1		1	1		1	1		1	1	1	1	1	
																							<b>47</b>
																							<b>28 1.0</b>
Peripheral Nerve																							<b>1</b>
Spinal Cord																							<b>1</b>

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Crystals																							<b>48</b>
Infiltration Cellular, Histiocyte																							<b>2 3.0</b>
																							<b>3 2.7</b>

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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	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
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	8	9	9	9	9	0	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
<b>AZT-L/3TC-L to 0</b>	3	6	7	8	3	4	5	4	5	3	4	0	1	2	3	7	8	9	0	1	6	7	8
																							<b>* TOTALS</b>

Infiltration Cellular, Lymphocyte Inflammation, Chronic Active Alveolar Epithelium, Hyperplasia	1	1								1				1	1					2	1		
																							<b>14 1.3</b>
																							<b>1 2.0</b>
																							<b>1 2.0</b>

Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
																							<b>46</b>
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+
																							<b>46</b>

**SPECIAL SENSES SYSTEM**

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
																							<b>45</b>	
Cataract																		2						<b>1 2.0</b>
Bilateral, Cataract					1																		<b>1 1.0</b>	
Cornea, Inflammation, Chronic Active																							<b>1 1.0</b>	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
																							<b>46</b>	
Infiltration Cellular, Lymphocyte Inflammation, Chronic Active																							<b>2 1.5</b>	
																							<b>1 4.0</b>	

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
																							<b>46</b>
Hyaline Droplet																							<b>2 3.5</b>
Infiltration Cellular, Lymphocyte Metaplasia, Osseous						2								2	1						1	1	<b>13 1.2</b>
Nephropathy	1	1	1		1		1	1	1	2	1	1	1					1	2	1	1		
																							<b>26 1.2</b>

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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	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	
<hr/>																								
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	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	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	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	
																							* TOTALS	
Urinary Bladder	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Infiltration Cellular, Lymphocyte Lumen, Dilatation	1		2		1		1		1		2		1		1		1		1		1		1	24 1.1 1 3.0

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
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x .. Lesion present  
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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	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	4	4	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	
<b>C57BL/6N XC3H/HEN MTV-NCTR</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>AZTH/3TCH/NVPH/0</b>	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	8	8	
<b>ANIMAL ID</b>	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	
	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						X															X				X	X	
Deformity												X															
Infiltration Cellular, Lymphocyte				1	1				1	1				1					1			2					2
Inflammation, Chronic Active																											
Mixed Cell Focus																				X							
Necrosis																			2								
Tension Lipidosis										1										2			1				

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

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AZT/Drug Combinations Transplacental Carcinogenesis Study  
CAS Number: AIDSTHERAPEU

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

DAY ON TEST	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																							
ANIMAL ID	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 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 1 1 2 2 3 3 4 4 4 4 4 4 4 4 5 7 7 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																							
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																							

females (cont...)

Vacuolization Cytoplasmic												1	2 1 1			3			2			
Mesentery															+		+					
Fat, Necrosis															4		4					
Pancreas	+ A A											+			+		+		+			
Infiltration Cellular, Lymphocyte															1 2		1 2		1 2 1			
Mineralization															1							
Acinus, Degeneration																						
Salivary Glands	+ A A											+			+		+		+			
Infiltration Cellular, Lymphocyte												2 1 1 1 2 1			2 2 1		1 2 2 1		2 2 1 1 2			
Stomach, Forestomach	+ A A											+			+		+		+			
Epithelium, Hyperplasia												2			2							
Stomach, Glandular	+ A A											+			+		+		+			

CARDIOVASCULAR SYSTEM

Blood Vessel	+ + M + + + + + + + + + + + + + + + + + +																							
Heart	+ +																							
Cardiomyopathy																								

ENDOCRINE SYSTEM

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Page 107



	0	0	0	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	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	3	1	3	3	4	8	7	0	0	0	0	
<hr/>																											
<b>C57BL/6N XC3H/HEN MTV-NCTR</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>MICE FEMALE</b>	0	0	0	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	5	7	7	7	8	8	8	8	
<b>AZTH/3TCH/NVPH/0</b>	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	
	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		
																											<b>females (cont...)</b>

**GENITAL SYSTEM**

Clitoral Gland Degeneration	M	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
				4	4	3	4	3	4	4	4	4	4	4	3	4	4	3	3	4	4	3	2	4	4	
Ovary Atrophy	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+
Ovary Cyst				3	4	3	3	3	3	4	3	4	3		3	3	3	3	3	4	3	4	4	4	4	
Ovary Infiltration Cellular, Lymphocyte				4			4				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	2	3	

**HEMATOPOIETIC SYSTEM**

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

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BLANK .. Not examined microscopically  
Page 109  
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
	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	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	3	3	3	4	4	4	4	4	4	4
	3	2	3	6	4	4	4	4	6	7	3	3	3	3	3	3	3	3	3	3	3	3	3	4	8	7	0	0	0	0	0	0	0	0	0

<b>C57BL/6N XC3H/HEN MTV-NCTR</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>AZTH/3TCH/NVPH/0</b>	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	8	8	8	8	8	8	8	8	8	8	8	8
ANIMAL ID	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	3	3	3	3	3	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												

females (cont...)

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

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

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

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

**INTEGUMENTARY SYSTEM**

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

Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrosis																																				
Inflammation, Chronic Active																																				
Ulcer																																				

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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
	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	3	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
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	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	8
<b>AZTH/3TCH/NVPH/0</b>	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
	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...)

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								

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 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 0																							
	7 7																							
	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 MICE FEMALE	0 0																							
	0 0																							
ANIMAL ID	8 8 8 8 9																							
	8 8 8 8 4 4 4 9 9 9 9 4 4 4 9 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
Adrenal Cortex	+ +																							48
Accessory Adrenal Cortical Nodule																								1
Hypertrophy	3																							1 3.0
Subcapsular, Hyperplasia	3 2 2 2 2 2 2 2 2 1 2 1 2 1 2 2 3 2 2 2 1 2 2																							46 1.9
.....																								
Adrenal Medulla	+ +																							44
Hyperplasia	2																							1 2.0
.....																								
Islets, Pancreatic	+ +																							47
Hyperplasia																								4 2.3
.....																								
Parathyroid Gland	+ M + + + + + + + + + + + + + + + M + + + A + + +																							41
Hyperplasia	2																							1 2.0
Infiltration Cellular, Lymphocyte	1																							1 1.0
.....																								
Pituitary Gland	+ M + +																							42
Pars Distalis, Angiectasis	2																							4 2.0
Pars Distalis, Cyst	2																							4 1.5
Pars Distalis, Hyperplasia	2 2 2 2 2 2 2 1 2 2 1 2																							13 1.9
.....																								
Thyroid Gland	+ +																							47
Cyst																								1 2.0
Infiltration Cellular, Lymphocyte																								1 2.0
Follicle, Degeneration	1																							9 1.8
Follicular Cell, Hyperplasia	1																							1 1.0

**GENERAL BODY SYSTEM**  
 NONE

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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	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	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	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	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		
ANIMAL ID		8	8	8	8	9	9	9	9	9	9	9	9	9	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	
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									
		<b>* TOTALS</b>																																

**GENITAL SYSTEM**

Clitoral Gland Degeneration	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46	
		4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	3	4	4	3	4	3	3	3	4	4									45	3.7	
Ovary Atrophy	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48		
Ovary Cyst			3		4	3	4	4	3	4	3			3	3	3		3	3	3	3	3	3	3	3	3	3	3	4	3				40	3.3		
Ovary Infiltration Cellular, Lymphocyte		4			2		2	4		3	4						4	4	4	2				2	2	2								21	2.9		
Ovary Bilateral, Cyst										3			4																						8	3.3	
Ovary Parenchymal Cell, Degeneration					4																														1	4.0	
Uterus Hydrometra	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48		
Uterus Endometrium, Hyperplasia, Cystic		2	3	3	4	4	3	4	3	2	3	3	2	2	4	2		3	4		4		2	3	3	3	3							44	2.8		

**HEMATOPOIETIC SYSTEM**

Bone Marrow Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48		
																																				1	2.0
Lymph Node Hemorrhage								+																												4	
Lymph Node Hyperplasia, Lymphoid																																				1	2.0
Lymph Node Sinus, Dilatation																																				1	2.0

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 BLANK .. Not examined microscopically  
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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	
	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	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	
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	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	
	8	8	8	8	9	9	9	9	9	9	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	
<b>AZTH/3TCH/NVPH/0</b>	4	5	6	7	1	2	3	1	2	3	4	5	6	7	8	2	3	4	5	9	1	2	3	4
																							<b>* TOTALS</b>	

**MUSCULOSKELETAL SYSTEM**

Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Skeletal Muscle																							1	

**NERVOUS SYSTEM**

Brain, Brain Stem Compression	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
																							2 2.5	
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Brain, Cerebrum Mineralization	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
	1		1	1			1	1				1			1			1	1		1	1		19 1.0
Peripheral Nerve Axon, Degeneration																							1	
																							1 1.0	
Spinal Cord Axon, Degeneration																							1	
																							1 1.0	

**RESPIRATORY 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	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		
	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	
	2	2	2	1	3	3	3	4	4	3	3	5	5	5	5	5	5	5	5	6	1	1	9	8			
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	
	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0	0	0	0	0	0	1	2	2	2	2		
<b>AZTH/3TCH/NVPH/0</b>	8	8	8	8	4	4	4	9	9	9	9	9	4	4	4	4	9	9	9	2	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		<b>* TOTALS</b>	
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>48</b>	
Autolysis																										<b>1 4.0</b>	
Crystals							2																			<b>1 2.0</b>	
Infiltration Cellular, Histiocyte							2																			<b>1 2.0</b>	
Infiltration Cellular, Lymphocyte							2	1			2	2						2								<b>13 1.7</b>	
Alveolar Epithelium, Hyperplasia																										<b>1 1.0</b>	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>49</b>	
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>47</b>	
<b>SPECIAL SENSES SYSTEM</b>																											
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>45</b>	
Cataract																										<b>1 2.0</b>	
Cornea, Inflammation, Chronic Active																										<b>1 3.0</b>	
Cornea, Ulcer																										<b>1 3.0</b>	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>46</b>	
Infiltration Cellular, Lymphocyte																										<b>5 1.2</b>	
Epithelium, Hyperplasia																									2	<b>1 2.0</b>	
<b>URINARY SYSTEM</b>																											
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>47</b>	
Hyaline Droplet																										<b>1 2.0</b>	
Infiltration Cellular, Lymphocyte																										<b>11 1.1</b>	

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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																								* TOTALS
	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	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3		
	2	2	2	1	3	3	3	4	4	3	3	5	5	5	5	5	5	5	5	6	1	1	9		
	0	0	0	0	0	0	0	0	0	0	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		
	8	8	8	8	9	9	9	9	9	9	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	9	2	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		
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>																									
<b>AZTH/3TCH/NVPH/0</b>																									
Nephropathy	1	1	1	1					1	2	1		1	2				1	1	1	1	1	1	<b>30 1.1</b>	
Urinary Bladder Infiltration Cellular, Lymphocyte	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>46</b>	<b>21 1.1</b>

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

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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
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
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	5
ANIMAL ID	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	

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									
Mixed Cell Focus				X																				
Necrosis								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
	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
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	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	5	5	5	5	5	5
<b>AZTM/3TCM/NVPM/O</b>	3	1	1	3	9	0	2	3	7	9	2	1	1	1	1	5	6	6	2	2	2	2	7	9
	3	1	5	0	1	8	3	2	0	3	4	5	0	1	2	3	9	0	1	2	5	6	7	8

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																						

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 Page 123

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
<b>C57BL/6N XC3H/HEN MTV-NCTR</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>AZTM/3TCM/NVPM/0</b>	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
ANIMAL ID	3	1	1	3	9	0	2	3	7	7	9	2	1	1	1	1	5	6	6	6	2	2	2	7	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...)

**ENDOCRINE SYSTEM**

Adrenal Cortex	A	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Accessory Adrenal Cortical Nodule																									X
Hypertrophy																									
Vacuolization Cytoplasmic																									
Subcapsular, Hyperplasia		2	1	1	3	2	2	2	2	2		2	2	2	2	1	2	2	2	1	1	2	2	2	2
Adrenal Medulla	A	+	+	+	+	+	+	+	+	M	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Islets, Pancreatic	A	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia																									1
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	M	+	+	M	+	+	+	+	+	+	+	+	+	+	+
Infiltration Cellular, Lymphocyte																									2
Pituitary Gland	A	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Angiectasis																									
Pars Distalis, Hyperplasia																									2
Rathke's Cleft, Dilatation																									3
Thyroid Gland	A	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																									
Ectopic Thymus																									X
Infiltration Cellular, Lymphocyte																									1
Follicle, Degeneration																									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	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	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	3	3	3	3	
	3	2	5	8	9	4	5	3	6	6	3	8	3	1	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	7	
C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE ANIMAL ID AZTM/3TCM/NVPM/0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	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	2	3	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	
	3	1	1	3	9	0	2	3	7	9	2	1	1	1	1	5	6	6	6	6	2	2	2	2	2	2	2	7	8	7	8	9	
	3	1	5	0	1	8	3	2	0	3	4	5	0	1	1	2	3	9	0	1	2	5	6	7	8	9				females (cont...)			

**GENERAL BODY SYSTEM**  
NONE

**GENITAL SYSTEM**

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

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1-4 .. Lesion qualified as:  
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Page 125

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	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	2	5	8	9	4	5	3	6	6	3	8	3	1	3	3	3	3	3	3	4	4	4	4	7	
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	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	4	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	
<b>AZTM/3TCM/NVPM/0</b>	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	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Lymphoid		1	4			2				1		2				4		2				1				2
Infiltration Cellular, Plasma Cell								2																		
Lymph Node, Mesenteric	+	+	+	M	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis																										
Hematopoietic Cell Proliferation																										
Hyperplasia, Lymphoid		1	2			2			1	1				2			1							2	2	
Infiltration Cellular, Plasma Cell			3																							
Sinus, Dilatation												4														
Spleen	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic Cell Proliferation		2	3					3						2								2		2	3	
Hyperplasia, Lymphoid					4	4		2	4			4	3			3	2	4	3	3	3	3	3	3		4
Thrombosis		3																								
Thymus	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+
Atrophy				3		2		4		4				3		3	2					3			2	
Hyperplasia, Lymphoid			3		2								3	2										2		2

**INTEGUMENTARY SYSTEM**

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolus, Hyperplasia												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	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	4	7
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	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	5	5
<b>AZTM/3TCM/NVPM/0</b>	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	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	9	

females  
(cont...)

Skin	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

**MUSCULOSKELETAL SYSTEM**

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

**NERVOUS SYSTEM**

Brain, Brain Stem	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Compression																											
Degeneration																											
Brain, Cerebellum	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mineralization																											
Ventricle, Dilatation																											
Peripheral Nerve																											
Spinal Cord																											
Degeneration																											

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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
	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
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	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
<b>AZTM/3TCM/NVPM/0</b>	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	9

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

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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**  
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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

		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		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
		.....																							
<b>C57BL/6N XC3H/HEN MTV-NCTR</b>		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>MICE FEMALE</b>		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	2	2	2	2	2	3	4	4	4	4	4	4	4	5	5	5	5	5
<b>AZTM/3TCM/NVPM/0</b>		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	9

females  
(cont...)

Inflammation, Chronic Active

**URINARY SYSTEM**

Kidney		+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Infiltration Cellular, Lymphocyte					1	1						1	1			2							1	2
Nephropathy			3	2		1				1	1				2		1	1	1	1		1	1	1
		.....																						
Urinary Bladder		A	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Infiltration Cellular, Lymphocyte			1	1		1			1	1					1	1							1	1

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1-4 .. Lesion qualified as:

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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	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	1	1	1	1	1	0	0	8	6	6	6	6
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	6	6	6	6	6	7	7	8	8	8	8	8	8	8	8	8	8	8	9	1	1	1
<b>AZTM/3TCM/NVPM/0</b>	8	1	3	3	3	6	8	8	3	4	4	8	8	9	9	9	9	9	4	4	3	3	3
	0	7	6	7	8	9	0	1	9	0	1	8	9	0	1	2	3	4	4	5	0	1	2
	<b>* TOTALS</b>																						

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>47</b>	
Gallbladder	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>45</b>	
Intestine Large, Cecum Hyperplasia, Lymphoid	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>46</b>	<b>3 2.0</b>
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>46</b>	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>46</b>	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>46</b>	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>46</b>	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>46</b>	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>47</b>	
Angiectasis										2														<b>1 2.0</b>	
Basophilic Focus		X	X										X											<b>4</b>	
Eosinophilic Focus																					X			<b>1</b>	
Fatty Change																								<b>1 4.0</b>	
Infiltration Cellular, Lymphocyte	2			1	2							1					1							<b>12 1.3</b>	
Mixed Cell Focus																								<b>1</b>	
Necrosis																								<b>1 2.0</b>	

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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	
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	
	3	3	3	3	3	3	3	3	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	1	1	1	1	1	0	0	8	6	6	6	
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	
	5	6	6	6	6	6	7	7	8	8	8	8	8	8	8	8	8	9	9	9	1	1	
ANIMAL ID	8	1	3	3	3	6	8	8	3	4	4	8	8	9	9	9	9	4	4	3	3	3	
<b>AZTM/3TCM/NVPM/0</b>	0	7	6	7	8	9	0	1	9	0	1	8	9	0	1	2	3	4	4	5	0	1	<b>* TOTALS</b>
Tension Lipidosis	1									1										2	1		<b>10 1.2</b>
Vacuolization Cytoplasmic				1	2	3		1	3	3	1	1		2	3				2	2		2	<b>24 1.8</b>
Mesentery				+	+	+															+		<b>8</b>
Fat, Necrosis				3	4	3															4		<b>8 3.6</b>
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>46</b>
Infiltration Cellular, Lymphocyte	2	1									1	1					1	1			2		<b>14 1.3</b>
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>47</b>
Infiltration Cellular, Lymphocyte	1	2		2	2		1	1	1	2	2	2	1	1	2	3	1	1		2	1	1	<b>36 1.5</b>
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>46</b>
Hyperplasia															3								<b>1 3.0</b>
Keratin Cyst																							<b>1</b>
Ulcer													2										<b>1 2.0</b>
Epithelium, Hyperplasia											2												<b>1 2.0</b>
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>46</b>

**CARDIOVASCULAR SYSTEM**

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>47</b>
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>47</b>
Inflammation, Chronic Active																							<b>1 1.0</b>

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 + .. 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
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
		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	1	1	1	1	1	0	0	8	6	6	6
<b>C57BL/6N XC3H/HEN MTV-NCTR</b>		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>MICE FEMALE</b>		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	6	6	6	6	6	7	7	8	8	8	8	8	8	8	8	8	8	9	1	1	1
<b>AZTM/3TCM/NVPM/0</b>		8	1	3	3	3	6	8	8	3	4	4	8	8	9	9	9	9	4	4	3	3	3
		0	7	6	7	8	9	0	1	9	0	1	8	9	0	1	2	3	4	4	5	0	1
																						<b>* TOTALS</b>	

**ENDOCRINE SYSTEM**

Adrenal Cortex		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>46</b>
Accessory Adrenal Cortical Nodule																							<b>1</b>
Hypertrophy								1															<b>1 1.0</b>
Vacuolization Cytoplasmic				3																			<b>1 3.0</b>
Subcapsular, Hyperplasia		2	2	2	2	2	2	1	1	1	1	2	2	4	2	2	2	1	2	2	2	1	<b>46 1.8</b>
Adrenal Medulla		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>45</b>
Islets, Pancreatic		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>46</b>
Hyperplasia							2				1												<b>4 1.5</b>
Parathyroid Gland		+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	M	+	+	<b>44</b>
Infiltration Cellular, Lymphocyte																							<b>1 2.0</b>
Pituitary Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>46</b>
Pars Distalis, Angiectasis						2																	<b>1 2.0</b>
Pars Distalis, Hyperplasia							2				2							2					<b>7 2.0</b>
Rathke's Cleft, Dilatation																							<b>1 3.0</b>
Thyroid Gland		+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	<b>45</b>
Cyst							2																<b>1 2.0</b>
Ectopic Thymus																							<b>1</b>
Infiltration Cellular, Lymphocyte		1																					<b>3 1.0</b>
Follicle, Degeneration		2								2				1		1							<b>7 1.6</b>

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 Page 132

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
	3	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	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	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	5	6	6	6	6	6	7	7	8	8	8	8	8	8	8	8	8	8	9	9	1	1	1	1
	8	1	3	3	3	6	8	8	3	4	4	8	8	8	9	9	9	9	4	4	3	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	
																							<b>* TOTALS</b>	

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46		
Atrophy		4																								1 4.0
Degeneration	4		2	4	4	4	4		4		4	4	4	4	4	4	4	3	4	3	4	3			43 3.8	
Inflammation, Suppurative																										1 1.0
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47		
Atrophy	4	3		3		3	4		3	4	4	3	4	3	3	3	4	4	3	3	3	3	3		42 3.4	
Cyst	3	4				3				4	3			3		4	2	2	2		4				20 2.8	
Infiltration Cellular, Lymphocyte	3																								2 3.0	
Bilateral, Cyst																									2 2.0	
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46		
Hydrometra								4									4								4 4.0	
Endometrium, Hyperplasia, Cystic	4	4	3	3	3	4	2		3	2	2	3	3	3	2	4		2	3	4	3	2	2		42 2.8	

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46	
Hyperplasia						2																			1 2.0
Lymph Node																									5

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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

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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	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	1	1	1	1	1	0	0	8	6	6	6	6
<b>C57BL/6N XC3H/HEN MTV-NCTR</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>MICE FEMALE</b>	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	6	6	6	6	6	7	7	8	8	8	8	8	8	8	8	8	8	9	9	1	1	1
<b>AZTM/3TCM/NVPM/0</b>	8	1	3	3	3	6	8	8	3	4	4	8	8	9	9	9	9	9	4	4	3	3	3
	0	7	6	7	8	9	0	1	9	0	1	8	9	0	1	2	3	4	4	5	0	1	2
																							<b>* TOTALS</b>

Mediastinal, Hyperplasia, Lymphoid																							<b>1</b>	<b>2.0</b>	
Mediastinal, Infiltration Cellular, Plasma Cell																							<b>1</b>	<b>2.0</b>	
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Hyperplasia, Lymphoid	3								1		1	1		3					2			2	1		
Infiltration Cellular, Plasma Cell																							<b>47</b>	<b>18</b>	<b>1.9</b>
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Angiectasis						3																			
Hematopoietic Cell Proliferation					2																				
Hyperplasia, Lymphoid	3			2				2		1	1		2		3	1		1	2		2		2		
Infiltration Cellular, Plasma Cell																							<b>46</b>	<b>1</b>	<b>3.0</b>
Sinus, Dilatation																								<b>1</b>	<b>2.0</b>
																								<b>21</b>	<b>1.7</b>
																								<b>1</b>	<b>3.0</b>
																								<b>2</b>	<b>3.0</b>
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Hematopoietic Cell Proliferation		3				4			2		2						2		2	2			2		
Hyperplasia, Lymphoid	4		3	3				4	2	4	3	3	4		4	3		2	3	2			3		
Thrombosis																							<b>47</b>	<b>15</b>	<b>2.4</b>
																								<b>30</b>	<b>3.2</b>
																								<b>1</b>	<b>3.0</b>
Thymus	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	M	+	+	+		
Atrophy									2											3					
Hyperplasia, Lymphoid	2																2				2	2			
																							<b>44</b>	<b>11</b>	<b>2.8</b>
																								<b>10</b>	<b>2.2</b>

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Alveolus, Hyperplasia																							<b>47</b>	<b>1</b>	<b>2.0</b>

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BLANK .. Not examined microscopically  
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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	7
		3	3	3	3	3	3	3	3	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
<b>C57BL/6N XC3H/HEN MTV-NCTR</b>		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>MICE FEMALE</b>		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	6	6	6	6	6	7	7	8	8	8	8	8	8	8	8	8	9	9	1	1	1
<b>AZTM/3TCM/NVPM/0</b>		8	1	3	3	3	6	8	8	3	4	4	8	8	9	9	9	9	4	4	3	3	3
		0	7	6	7	8	9	0	1	9	0	1	8	9	0	1	2	3	4	4	5	0	1
																							<b>* TOTALS</b>

Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>47</b>
------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	-----------

**MUSCULOSKELETAL SYSTEM**

Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>48</b>
Fibro-Osseous Lesion																						<b>1 2.0</b>		
Skeletal Muscle	+																					<b>2</b>		

**NERVOUS SYSTEM**

Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>46</b>
Compression																						<b>1 4.0</b>		
Degeneration																						<b>1 1.0</b>		
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>46</b>
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>46</b>
Mineralization			1	1	1					1		1	1			1	1				1			<b>16 1.0</b>
Ventricle, Dilatation																						<b>1 2.0</b>		
Peripheral Nerve																						<b>1</b>		
Spinal Cord																						<b>1</b>		
Degeneration																						<b>1 3.0</b>		

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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

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 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	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	1	1	1	1	1	0	0	8	6	6	6	6
<b>C57BL/6N XC3H/HEN MTV-NCTR</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
<b>AZTM/3TCM/NVPM/0</b>	5	6	6	6	6	6	7	7	8	8	8	8	8	8	8	8	8	8	9	9	1	1	1
<b>ANIMAL ID</b>	8	1	3	3	3	6	8	8	3	4	4	8	8	9	9	9	9	4	4	3	3	3	3
	0	7	6	7	8	9	0	1	9	0	1	8	9	0	1	2	3	4	4	5	0	1	2
	<b>* TOTALS</b>																						

Inflammation, Chronic Active **1 4.0**

**RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Crystals																							<b>2 3.0</b>
Hemorrhage				3																			<b>1 3.0</b>
Infiltration Cellular, Histiocyte																							<b>3 2.3</b>
Infiltration Cellular, Lymphocyte		1					2	2			3				2								<b>15 1.6</b>
Inflammation, Chronic Active																							<b>1 2.0</b>
Alveolar Epithelium, Hyperplasia																							<b>2 1.5</b>
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Posterior To Upper Incisor, Dysplasia										3													<b>1 3.0</b>
Trachea	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	45

**SPECIAL SENSES SYSTEM**

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Cataract										1													<b>2 1.5</b>
Bilateral, Cataract															1								<b>1 1.0</b>
Cornea, Inflammation, Chronic Active										1													<b>1 1.0</b>
Retina, Degeneration																							<b>1 4.0</b>
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	45
Infiltration Cellular, Lymphocyte				1														1					<b>5 1.0</b>

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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
	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	4	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	1	1	1	1	1	0	0	8	6	6	6	6	6	
<b>C57BL/6N XC3H/HEN MTV-NCTR</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>MICE FEMALE</b>	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	6	6	6	6	6	7	7	8	8	8	8	8	8	8	8	8	8	9	9	1	1	1	1	
<b>AZTM/3TCM/NVPM/0</b>	8	1	3	3	3	6	8	8	3	4	4	8	8	9	9	9	9	9	4	4	3	3	3	3	
	0	7	6	7	8	9	0	1	9	0	1	8	9	0	1	2	3	4	4	5	0	1	2	2	
																							<b>* TOTALS</b>		

Inflammation, Chronic Active

1

1 1.0

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Infiltration Cellular, Lymphocyte	2			2			1			1	1		2								1		1	1	
Nephropathy		1				1		1				2		1	1	2	2		1						
																							47		
																							15 1.3		
																							22 1.3		
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Infiltration Cellular, Lymphocyte	1	1		1	2	1	2				1		1	2		1	2	2		1	1	1	1		
																							46		
																							25 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

DAY ON TEST	0																										
	4	5	5	5	5	5	6	6	6	6	6	6	6	6	6	7	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	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	3	3	3

  

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	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	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	6	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	4	3	4	5	5

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																												
Hematopoietic Cell Proliferation																												
Infiltration Cellular, Lymphocyte																												
Inflammation, Chronic Active																												
Necrosis																												

\* .. 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 138

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																						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
4	5	5	5	5	5	6	6	6	6	6	6	6	6	6	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	3	3	3		
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<b>AZTL/3TCL/NVPL/0</b>	0	0	0	0	0	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		
	3	5	6	7	8	8	1	6	7	8	8	1	4	4	5	9	0	5	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	5		
Tension Lipidosis						2						2						1	1	1					
Vacuolization Cytoplasmic	2	2					2	2						1	2	1	2	1	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	1	1	1	1		
Salivary Glands Infiltration Cellular, Lymphocyte	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
					1	2	1				1				2	2	2	2	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  
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BLANK .. Not examined microscopically  
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TDMS No. 20311 - 02

Test Type: CHRONIC

Route: IN-UTERO

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	0	0	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	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	3	3
	5	6	7	6	5	6	2	8	1	9	2	7	5	5	2	6	0	2	2	2	2	2	2	3	3	3	3
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>AZTL/3TCL/NVPL/0</b>	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	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	6	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	5	5	5

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	1	2	1	2	2	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																											
Ectopic Thymus																											
Infiltration Cellular, Lymphocyte																											
Follicle, Degeneration																											

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  
 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																						
	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	3	3	3	3																						
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																						
	0	0	0	0	0	0	0	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	3	3	3	3	3	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																						
<b>AZTL/3TCL/NVPL/0</b>	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																						
																								ANIMAL ID	8	5	1	5	9	4	9	0	8	9	8	0	6	1	2	3	4	4	3	4	5	6	females (cont...)
Tissue NOS																																				+											

**GENITAL SYSTEM**

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

**HEMATOPOIETIC SYSTEM**

Bone Marrow	A	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia																								
Lymph Node				+				+	+	+	+	+									+			
Lymph Node, Mandibular	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Lymphoid		2			2	1	2											1		1		4		2

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 + .. Tissue examined microscopically  
 x .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
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 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
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 Page 141

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 5 5 5 6 6 6 6 6 6 6 6 6 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																							
	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																							
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	0 0																							
	0 0																							
	0 0 0 0 0 0 1 1 1 1 1 2 2 2 2 3 3 3 3 3 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																							
	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																							
<b>AZTL/3TCL/NVPL/0</b>																								

females (cont...)

Infiltration Cellular, Plasma Cell	2																							
Lymph Node, Mesenteric Hyperplasia, Lymphoid	M	+ +																						
Spleen Hematopoietic Cell Proliferation Hyperplasia, Lymphoid	A	+ +																						
Thymus Atrophy Hyperplasia, Lymphoid	M M	+ + + M + + A + + + + + + + + + + + + + + + + +																						

**INTEGUMENTARY SYSTEM**

Mammary Gland	A	+ +																						
Skin	A	+ +																						

**MUSCULOSKELETAL SYSTEM**

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

**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  
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 Test Type: CHRONIC  
 Route: IN-UTERO  
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**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
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 CAS Number: AIDSTHERAPEU

Date Report Requested: 06/29/2009  
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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 6 6 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																								
	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																								
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>AZTL/3TCL/NVPL/0</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	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	3	3	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
	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

females (cont...)

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			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  
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 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																										
	4	5	5	5	5	5	6	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	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	3		
<hr/>																											
C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE ANIMAL ID	0																								females (cont...)		
	0																										
	0																										
	0																										
AZTL/3TCL/NVPL/0	3																								females (cont...)		
	5																										
	6																										
	7																										
<hr/>																											

Cornea, Ulcer	2																							
Harderian Gland	A																							
Infiltration Cellular, Lymphocyte	+																							
	1												1											

**URINARY SYSTEM**

Kidney	+																							
Amyloid Deposition	4																							
Infiltration Cellular, Lymphocyte	2																							
Metaplasia, Osseous	2																							
Nephropathy	4																							
Urinary Bladder	A																							
Infiltration Cellular, Lymphocyte	+																							
	1												2											

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 I .. Insufficient tissue  
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 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked  
 Page 144



**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	
	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		
<hr/>																									
<b>C57BL/6N XC3H/HEN MTV-NCTR</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>MICE FEMALE</b>	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	5	5	6	6	6	6	7	7	8	8	8	8	8	9	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	9	9	4	5	5	
<b>AZTL/3TCL/NVPL/0</b>	9	0	1	1	2	3	9	0	1	6	2	3	2	5	6	7	8	5	6	7	9	0	1		<b>* TOTALS</b>

**ALIMENTARY SYSTEM**

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

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M .. Missing tissue  
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BLANK .. Not examined microscopically  
1-4 .. Lesion qualified as:  
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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
		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	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
<b>C57BL/6N XC3H/HEN MTV-NCTR</b>	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>MICE FEMALE</b>		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
<b>AZTL/3TCL/NVPL/0</b>		5	5	5	5	5	6	6	6	7	7	8	8	8	8	8	8	9	9	9	0	0
		2	3	3	8	8	3	4	4	7	8	8	4	9	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
	<b>* TOTALS</b>																					
Tension Lipidosis																		2		1		
Vacuolization Cytoplasmic		1	2		1	1		2				1	2	1	3		1		1	1		
Mesentery					+																	1
Fat, Necrosis					4																	1
Pancreas		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																						45
Infiltration Cellular, Lymphocyte		1		1		2		2		1			2	2		1	2	1				1
Acinus, Degeneration				2																		20
Salivary Glands		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Infiltration Cellular, Lymphocyte			1	2	1	1	2	1	1				1	2	1	2	1	2	2	1		2
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active																						46
Epithelium, Hyperplasia																				1		1
Stomach, Glandular		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Epithelium, Hyperplasia																					3	+
<b>CARDIOVASCULAR SYSTEM</b>																						
Blood Vessel		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
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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	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	
<b>C57BL/6N XC3H/HEN MTV-NCTR</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	
<b>AZTL/3TCL/NVPL/0</b>	5	5	5	5	5	5	6	6	6	6	7	7	8	8	8	8	8	8	9	9	9	0	0	0
<b>ANIMAL ID</b>	2	3	3	8	8	8	3	4	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	
																						<b>* TOTALS</b>		

**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**

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x .. Lesion present

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M .. Missing tissue

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BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

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

Tissue NOS 1

**GENITAL SYSTEM**

Clitoral Gland	+																							<b>46</b>					
Atrophy																									<b>1 4.0</b>				
Degeneration	3	3	3	4	3	3	4	4	4	3	4	4	4	3	4	4	4	3			4	4	<b>42</b>	<b>3.7</b>					
Ovary	+																							<b>46</b>					
Atrophy	3			3			4			3			3			4			3			3			3			<b>38</b>	<b>3.2</b>
Cyst	4		3		4		4		4		4		4		2		4		3		3		3		4		<b>21</b>	<b>3.2</b>	
Hematocyst																									<b>1</b>				
Bilateral, Cyst	X																								<b>5 2.8</b>				
Uterus	+																							<b>46</b>					
Hydrometra																									<b>1 4.0</b>				
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	<b>44</b>	<b>2.7</b>					

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+																							<b>46</b>	
Hyperplasia																									<b>1 2.0</b>
Lymph Node	+																							<b>11</b>	
Lymph Node, Mandibular	+																							<b>47</b>	
Hyperplasia, Lymphoid																									<b>11 1.8</b>

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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	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	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	4	7	8	8	4	9	9	9	9	9	9	4	5	5
AZTL/3TCL/NVPL/0	9	0	1	1	2	3	9	0	1	6	2	3	2	5	6	7	8	5	6	7	9	0	1
																							<b>* TOTALS</b>

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

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
																							<b>47</b>
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
																							<b>47</b>

MUSCULOSKELETAL SYSTEM

Bone, Femur Fibro-Osseous Lesion	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
																							<b>48</b>
																							<b>2 3.0</b>

NERVOUS SYSTEM

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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
		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
<b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b>	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>AZTL/3TCL/NVPL/0</b>	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	5	5	5	5	5	5	6	6	6	6	7	7	8	8	8	8	8	9	9	9	9	
	ANIMAL ID	2	3	3	8	8	8	3	4	4	4	7	8	8	8	4	9	9	9	9	4	5	
	ANIMAL ID	9	0	1	1	2	3	9	0	1	6	2	3	2	5	6	7	8	5	6	7	9	
																						<b>* TOTALS</b>	
Brain, Brain Stem		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
																						<b>46</b>	
Brain, Cerebellum		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
																						<b>46</b>	
Brain, Cerebrum		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Mineralization						1	1			1				1				1	1	1		1	
																						<b>46</b>	
																						<b>25 1.0</b>	
<b>RESPIRATORY SYSTEM</b>																							
Lung		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infiltration Cellular, Histiocyte				2																			
Infiltration Cellular, Lymphocyte				1										1				2					
Inflammation, Chronic Active						1																	
Alveolar Epithelium, Hyperplasia																							
Bronchiole, Hyperplasia																				2			
																						<b>46</b>	
Nose		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Suppurative				2																			
																						<b>48</b>	
																						<b>1 2.0</b>	
Trachea		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
																						<b>46</b>	
<b>SPECIAL SENSES SYSTEM</b>																							
Eye		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cataract																							
Bilateral, Cataract																							
Cornea, Inflammation, Chronic Active																							
																						<b>45</b>	
																						<b>1 1.0</b>	
																						<b>1 1.0</b>	
																						<b>2 2.0</b>	

\* .. 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	9	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	9	4	5	5
AZTL/3TCL/NVPL/0	9	0	1	1	2	3	9	0	1	6	2	3	2	5	6	7	8	5	6	7	9	0	1
																							<b>* TOTALS</b>

Cornea, Ulcer

1 2.0

Harderian Gland  
Infiltration Cellular, Lymphocyte

+ + + + + + + + + + + + + + + + + M + + + +

45  
5 1.0

URINARY SYSTEM

Kidney  
Amyloid Deposition  
Infiltration Cellular, Lymphocyte  
Metaplasia, Osseous  
Nephropathy

+  
1 1 1 2 1 1 2 1 1 1

48  
1 4.0  
15 1.3  
1 1.0  
19 1.4

Urinary Bladder  
Infiltration Cellular, Lymphocyte

+  
2 1 2 1 1 1 1 1 1 1 1 2 1 1

47  
24 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  
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 | 6 | 6 | 6 | 6 | 6 | 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 |
|   | 2 | 0 | 3 | 0 | 1 | 9 | 4 | 5 | 9 | 2 | 0 | 0 | 0 | 0 | 4 | 4 | 4 | 4 | 2 | 4 | 4 | 4 | 5 |
| <b>C57BL/6N XC3H/HEN MTV-NCTR<br/>MICE FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 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 | 9 | 0 | 0 | 0 | 0 | 0 | 1 |
| <b>AZTH/3TCH/NFVH/0</b>                           | 4 | 0 | 2 | 3 | 9 | 9 | 5 | 5 | 4 | 0 | 7 | 7 | 8 | 9 | 9 | 9 | 0 | 0 | 0 | 9 | 9 | 9 | 3 |
|   | 5 | 6 | 2 | 6 | 2 | 3 | 1 | 5 | 0 | 1 | 7 | 8 | 9 | 0 | 8 | 9 | 0 | 1 | 2 | 6 | 7 | 8 | 3 |

**females  
(cont...)**

**ALIMENTARY SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus  | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder  | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Degeneration, Hyaline<br>Infiltration Cellular, Lymphocyte |   |   |   |   |   |   |   | 1 |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |
| 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 |   |   | 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

l .. 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

**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 | 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 |
| <b>C57BL/6N XC3H/HEN MTV-NCTR<br/>MICE FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 |
| <b>AZTH/3TCH/NFVH/0</b>                           | 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 |

ANIMAL ID  
 females (cont...)

|                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Tension Lipidosis                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Vacuolization Cytoplasmic         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Mesentery                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fat, Necrosis                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pancreas                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Infiltration Cellular, Lymphocyte |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Acinus, Degeneration              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Salivary Glands                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Infiltration Cellular, Lymphocyte |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Stomach, Forestomach              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Stomach, Glandular                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**CARDIOVASCULAR SYSTEM**

|                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Blood Vessel   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Heart          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 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 |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                                   | 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 |
| <b>C57BL/6N XC3H/HEN MTV-NCTR</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>MICE FEMALE</b>                | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>AZTH/3TCH/NFVH/0</b>           | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 4 | 5 | 6 | 6 | 6 | 6 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| <b>ANIMAL ID</b>                  | 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 |
| Adrenal Cortex                    | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cyst                              |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 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 |
| Adrenal Medulla                   | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Islets, Pancreatic                | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Parathyroid Gland                 | M | + | + | + | + | M | + | + | + | + | + | + | M | + | + | M | + | + | + | + | M | + | + | + |
| Cyst                              |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Infiltration Cellular, Lymphocyte |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Pituitary Gland                   | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | M | + | + |
| Pars Distalis, Hyperplasia        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   | 2 |
| Thyroid Gland                     | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |
| Polyarteritis                     |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Follicle, Degeneration            |   | 2 | 1 |   |   |   |   | 2 |   |   | 2 |   | 2 |   |   |   |   |   |   | 1 | 2 |   |   |   |

females (cont...)

**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 |

\* .. 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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 1-4 .. Lesion qualified as:  
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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  
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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 | 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 | 4 | 4 | 4 | 5 | 3 | 3 |
| <b>C57BL/6N XC3H/HEN MTV-NCTR<br/>MICE FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 |
|   | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 4 | 5 | 6 | 6 | 6 | 6 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| <b>AZTH/3TCH/NFVH/0</b>                           | 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...)

| 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 |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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                       | 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   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |   |  |  |  |  |  |  |  |
| 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   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |   |  |  |  |  |  |  |  |
|                                   | 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 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |   |  |  |  |  |  |  |  |
| <b>C57BL/6N XC3H/HEN MTV-NCTR</b> | 0   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  |  |  |   |  |  |  |  |  |  |  |
| <b>MICE FEMALE</b>                | 0   | 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 |  |  |  |  |   |  |  |  |  |  |  |  |
| <b>AZTH/3TCH/NFVH/0</b>           | 4   | 0 | 2 | 3 | 9 | 9 | 5 | 5 | 4 | 0 | 7 | 7 | 7 | 8 | 9 | 9 | 0 | 0 | 0 | 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 |  |  |  |  |   |  |  |  |  |  |  |  |
| Mineralization                    |   |   |   |   | 1 |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   | 1 |   |   |   |  |  |  |  | 1 |  |  |  |  |  |  |  |

**females (cont...)**

**RESPIRATORY SYSTEM**

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung                              | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Crystals                          |   |   |   | 2 | 4 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Infiltration Cellular, Histiocyte |   |   |   | 2 | 4 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Infiltration Cellular, Lymphocyte |   |   | 1 |   |   |   |   |   |   |   |   |   |   | 2 |   | 2 |   |   |   |   | 2 |   |   |   |
| Alveolar Epithelium, Hyperplasia  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |
| Nose                              | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 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  
 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked  
 Page 157

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 | 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                        |  |
| <b>C57BL/6N XC3H/HEN MTV-NCTR</b> |             | 0   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0                        |  |
| <b>MICE FEMALE</b>                |             | 0   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1                        |  |
|                                   | ANIMAL ID   | 0   | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 4 | 5 | 6 | 6 | 6 | 6 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 1                        |  |
| <b>AZTH/3TCH/NFVH/0</b>           |             | 5   | 6 | 2 | 6 | 2 | 3 | 1 | 5 | 0 | 1 | 7 | 8 | 9 | 0 | 8 | 9 | 0 | 1 | 2 | 6 | 7 | 8 | 3 | 4                        |  |
|                                   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>females (cont...)</b> |  |
| Kidney                            |             | A + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                          |  |
| Hyperplasia, Lymphoid             |             | 2   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                          |  |
| Infiltration Cellular, Lymphocyte |             | 1 1 1 1 1   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                          |  |
| Nephropathy                       |             | 1 1 1 1 1 3 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                          |  |
| Urinary Bladder                   |             | A + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                          |  |
| Infiltration Cellular, Lymphocyte |             | 1 1 1 1 1 1 1 2 2 2 1 1 1 1 1 1 1 1 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  
1-4 .. Lesion qualified as:  
1) Minimal 3) Moderate  
2) Mild 4) Marked  
Page 158

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

**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

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

**CARDIOVASCULAR SYSTEM**

|                |   |  |              |
|----------------|---|--|--------------|
| Blood Vessel   | + |  | <b>25</b>    |
| .....          |   |  |              |
| Heart          | + |  | <b>25</b>    |
| Cardiomyopathy | 1 |  | <b>1 1.0</b> |

**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



TDMS No. 20311 - 02

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Species/Strain: MICE/B6C3F1/NCTR

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Lab: NCTR

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

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

**HEMATOPOIETIC SYSTEM**

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

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 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                                 |           |   |                 |
| .....                             |           |   |                 |
| <b>C57BL/6N XC3H/HEN MTV-NCTR</b> |           | 0 |                 |
| <b>MICE FEMALE</b>                |           | 1 |                 |
|                                   |           | 1 |                 |
|                                   | ANIMAL ID | 3 |                 |
| <b>AZTH/3TCH/NFVH/0</b>           |           | 6 |                 |
|                                   |           |   | <b>* TOTALS</b> |

|                       |   |  |           |              |
|-----------------------|---|--|-----------|--------------|
| Thymus                | + |  | <b>25</b> |              |
| Atrophy               | 3 |  |           | <b>7 3.1</b> |
| Hyperplasia, Lymphoid |   |  |           | <b>4 1.8</b> |

**INTEGUMENTARY SYSTEM**

|               |   |  |           |  |
|---------------|---|--|-----------|--|
| Mammary Gland | + |  | <b>24</b> |  |
| Skin          | + |  | <b>25</b> |  |

**MUSCULOSKELETAL SYSTEM**

|                      |   |  |           |              |
|----------------------|---|--|-----------|--------------|
| Bone, Femur          | + |  | <b>26</b> |              |
| Fibro-Osseous Lesion |   |  |           | <b>1 3.0</b> |

**NERVOUS SYSTEM**

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

\* .. 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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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

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Lab: NCTR

| DAY ON TEST                       | 0 | 7 | 4 | 3 |                 |
|-----------------------------------|---|---|---|---|-----------------|
| <hr/>                             |   |   |   |   |                 |
| <b>C57BL/6N XC3H/HEN MTV-NCTR</b> | 0 | 1 | 1 | 3 |                 |
| <b>MICE FEMALE</b>                | 1 | 1 | 3 | 6 |                 |
| <b>AZTH/3TCH/NFVH/0</b>           |   |   |   |   | <b>* TOTALS</b> |
| Mineralization                    |   |   |   |   | <b>5 1.0</b>    |

**RESPIRATORY SYSTEM**

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

**SPECIAL SENSES SYSTEM**

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

**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:

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 |                 |
|-------------------------------------|--|---|---|---|---|-----------------|
| <b>C57BL/6N XC3H/HEN MTV-NCTR</b>   |  | 0 |   |   |   |                 |
| <b>MICE FEMALE</b>                  |  | 1 |   |   |   |                 |
| ANIMAL ID                           |  | 1 |   |   |   |                 |
| <b>AZTH/3TCH/NFVH/0</b>             |  | 3 |   |   |   |                 |
|                                     |  | 6 |   |   |   | <b>* TOTALS</b> |
| Kidney                              |  |   |   |   |   | <b>25</b>       |
| + Hyperplasia, Lymphoid             |  |   |   |   |   | <b>1 2.0</b>    |
| Infiltration Cellular, Lymphocyte   |  |   |   |   |   | <b>5 1.0</b>    |
| Nephropathy                         |  | 1 |   |   |   | <b>12 1.3</b>   |
| Urinary Bladder                     |  |   |   |   |   | <b>25</b>       |
| + Infiltration Cellular, Lymphocyte |  |   |   |   |   | <b>10 1.3</b>   |

\* .. 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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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 |
| <b>C57BL/6N XC3H/HEN MTV-NCTR<br/>MICE FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 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 |
| <b>AZTM/3TCM/NFVM/0</b>                           | 1 | 1 | 3 | 6 | 7 | 8 | 8 | 8 | 8 | 2 | 2 | 2 | 8 | 8 | 8 | 4 | 4 | 4 | 9 | 0 | 0 | 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 |   |

females  
(cont...)

**ALIMENTARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus                                       | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder                                     | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum<br>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                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Cyst  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Eosinophilic Focus                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hematopoietic Cell Proliferation                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Infiltration Cellular, Lymphocyte               | 1 |   |   |   |   |   | 1 | 1 | 1 |   |   |   |   |   |   |   |   | 1 |   |   |   |   | 1 |
| Inflammation, Chronic Active                    |   |   | 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

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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 |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|   | 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 |
| <b>C57BL/6N XC3H/HEN MTV-NCTR<br/>MICE FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
|   | 0 | 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 |   |
| <b>AZTM/3TCM/NFVM/0</b>                           | 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 |   |
|   | 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 |   |
| ANIMAL ID   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

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 |
| 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 |   |   |   |   |   |   |   | 1 |   |   |   |   | 2 |   |   |
| Thyroid Gland                     | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cyst                              |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Ectopic Thymus                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |
| 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

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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 | 0 | 0 | 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 |
|   | 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 |
| <b>C57BL/6N XC3H/HEN MTV-NCTR<br/>MICE FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
|   | 0 | 0 | 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 |   |
|   | 1 | 1 | 3 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 2 | 2 | 2 | 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 |   |   |
| <b>AZTM/3TCM/NFVM/0</b>                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

females  
(cont...)

**GENERAL BODY SYSTEM**

Tissue NOS  
 Abdominal, Fibrosis  
 Abdominal, Inflammation, Chronic Active

**GENITAL SYSTEM**

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

**HEMATOPOIETIC SYSTEM**

|             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|   | 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 |
| <b>C57BL/6N XC3H/HEN MTV-NCTR<br/>MICE FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>AZTM/3TCM/NFVM/0</b>                           | 1 | 1 | 1 | 1 | 1 | 1 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |
|   | 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                           | + M + + +                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lumbar, Cyst                         | 4   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lumbar, Inflammation, Chronic Active |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lymph Node, Mandibular               | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Hyperplasia, Lymphoid                | 2 1 2 1 1 2 1                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lymph Node, Mesenteric               | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Hyperplasia, Lymphoid                | 3 1 2 2 2 1 2 3                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Infiltration Cellular, Histiocyte    | 2   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Infiltration Cellular, Plasma Cell   | 3   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Spleen                               | + + + + + A + + + + + + + + + + + + + + + + + + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Autolysis                            |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Hematopoietic Cell Proliferation     | 3 4 2 4   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Hemorrhage                           | 4 4   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Hyperplasia, Lymphoid                | 4 3 2 2 3 2 3 3 3 3 3 3 3                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Necrosis                             | 4 3 3 4   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Thymus                               | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Atrophy                              | 3 3 2 2   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Hyperplasia, Lymphoid                | 2 3 2 3   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

INTEGUMENTARY SYSTEM

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

\* .. 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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  |  | 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 |   |
| DAY ON TEST  |  | 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 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |   |   |
| DAY ON TEST  |  | 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 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 |   |
| C57BL/6N XC3H/HEN MTV-NCTR<br>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 |   |
| ANIMAL ID  |  | 1 | 1 | 1 | 1 | 1 | 1 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 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 |   |
| AZTM/3TCM/NFVM/0   |  | 7 | 8 | 5 | 7 | 6 | 6 | 1 | 2 | 3 | 5 | 6 | 7 | 4 | 5 | 6 | 3 | 4 | 4 | 5 | 9 | 0 | 1 | 2 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |   |
| Alveolus, Hyperplasia                                      |  | 2 |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Skin   |  | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| <b>MUSCULOSKELETAL SYSTEM</b>                              |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Bone, Femur  |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| <b>NERVOUS SYSTEM</b>                                      |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Brain, Brain Stem<br>Compression                           |  | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Brain, Cerebellum<br>Ventricle, Dilatation                 |  | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Brain, Cerebrum<br>Mineralization<br>Ventricle, Dilatation |  | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|  |  |   |   |   |   |   |   |   |   |   |   | 1 | 1 |   | 1 |   | 1 |   | 1 |   | 1 |   |   | 1 |   |   | 1 |   |   | 1 |   |   |   |   |   |   |
| <b>RESPIRATORY SYSTEM</b>                                  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lung<br>Congestion   |  | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Crystals   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   | 2 |   |   |   |   |   |
| Infiltration Cellular, Histiocyte                          |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 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<br>6<br>0<br>2 | 0<br>5<br>9<br>7 | 0<br>6<br>1<br>0 | 0<br>6<br>4<br>5 | 0<br>3<br>6<br>2 | 0<br>6<br>6<br>1 | 0<br>7<br>4<br>0 | 0<br>7<br>4<br>0 | 0<br>7<br>4<br>0 | 0<br>7<br>4<br>0 | 0<br>7<br>4<br>0 | 0<br>7<br>4<br>0 | 0<br>7<br>4<br>0 | 0<br>7<br>4<br>5 | 0<br>7<br>4<br>9 | 0<br>7<br>3<br>9 | 0<br>7<br>3<br>9 | 0<br>7<br>4<br>1 | 0<br>7<br>4<br>1 | 0<br>7<br>4<br>1 | 0<br>7<br>4<br>1 | 0<br>7<br>4<br>2 | 0<br>7<br>4<br>2 | 0<br>7<br>4<br>1 |                  |                              |  |
| <b>C57BL/6N XC3H/HEN MTV-NCTR<br/>MICE FEMALE</b> | 0<br>0<br>1<br>1 | 0<br>0<br>1<br>1 | 0<br>0<br>1<br>3 | 0<br>0<br>1<br>6 | 0<br>0<br>1<br>8 | 0<br>0<br>6<br>8 | 0<br>0<br>6<br>8 | 0<br>0<br>7<br>2 | 0<br>0<br>6<br>2 | 0<br>0<br>7<br>8 | 0<br>0<br>7<br>8 | 0<br>0<br>7<br>4 | 0<br>0<br>7<br>5 | 0<br>0<br>8<br>6 | 0<br>0<br>8<br>4 | 0<br>0<br>8<br>5 | 0<br>0<br>8<br>3 | 0<br>0<br>8<br>4 | 0<br>0<br>9<br>5 | 0<br>0<br>9<br>0 | 0<br>0<br>9<br>1 | 0<br>0<br>9<br>2 | 0<br>0<br>9<br>6 | 0<br>0<br>9<br>7 | 0<br>0<br>9<br>8 | <b>females<br/>(cont...)</b> |  |
| <b>AZTM/3TCM/NFVM/0</b>                           | 7                | 8                | 5                | 7                | 6                | 6                | 1                | 2                | 3                | 5                | 6                | 2                | 7                | 4                | 5                | 6                | 3                | 4                | 5                | 9                | 0                | 1                | 2                | 6                | 7                | 8                            |  |

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Infiltration Cellular, Lymphocyte<br>Alveolar Epithelium, Hyperplasia | 2 |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Nose  | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Trachea   | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

**SPECIAL SENSES SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Eye   | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Cataract  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Degeneration  |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Inflammation, Chronic Active<br>Bilateral, Cataract |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Harderian Gland                                     | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Infiltration Cellular, Lymphocyte                   |   |   |   |   |   |   | 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  
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 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked  
 Page 172

**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 |
| <b>C57BL/6N XC3H/HEN MTV-NCTR</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>MICE FEMALE</b>                | 0 | 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 | 9 | 9 | 9 | 9 | 9 | 9 |
| <b>AZTM/3TCM/NFVM/0</b>           | 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 |
|                                   | 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 | 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  
 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 173

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

ALIMENTARY SYSTEM

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

\* .. 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 |   |                 |
| 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 |                 |
|   | 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 | 8 |                 |
| <hr/>                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |
| C57BL/6N XC3H/HEN MTV-NCTR<br>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 | 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 | 3 | 3 | 3 | 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 | <b>* TOTALS</b> |

### ENDOCRINE SYSTEM

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |               |               |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|---------------|
| Adrenal Cortex                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   | <b>49</b>     |               |
| Accessory Adrenal Cortical Nodule |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   | <b>1</b>      |               |
| Cyst                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1 3.0</b>  |               |
| Vacuolization Cytoplasmic         |   |   |   |   |   |   |   |   |   |   | 4 |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   | <b>2 3.0</b>  |               |
| Subcapsular, Hyperplasia          | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 |   | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 2 |   | <b>47 1.8</b> |               |
| <hr/>                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |               |               |
| Adrenal Medulla                   | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |               | <b>47</b>     |
| Hyperplasia                       |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |               | <b>1 2.0</b>  |
| <hr/>                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |               |               |
| Islets, Pancreatic                | + | + | + | + | + | + | M | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |               | <b>46</b>     |
| Hyperplasia                       |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |               | <b>1 2.0</b>  |
| <hr/>                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |               |               |
| Parathyroid Gland                 | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | M | + | + | +             | <b>42</b>     |
| <hr/>                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |               |               |
| Pituitary Gland                   | + | + | + | + | + | + | + | + | + | + | + | A | + | M | + | + | + | + | + | + | + | + | + | + | + |               | <b>45</b>     |
| Pars Distalis, Angiectasis        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |               | <b>4 1.5</b>  |
| Pars Distalis, Hyperplasia        |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   | 1 | 1 |   |   | 2 |   |   |   |               | <b>11 1.5</b> |
| <hr/>                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |               |               |
| Thyroid Gland                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |               | <b>48</b>     |
| Cyst                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |               | <b>2 2.0</b>  |
| Ectopic Thymus                    |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |               | <b>1 2.0</b>  |
| Infiltration Cellular, Lymphocyte |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |               | <b>1 1.0</b>  |
| Inflammation, Chronic Active      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |               | <b>1 1.0</b>  |
| Follicle, Degeneration            |   |   | 1 |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   | 3 |   |               | <b>4 1.5</b>  |

\* .. 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        |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|
|  | 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 | 3 | 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        | 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                       | 4 | 0 | 0 | 5 | 5 | 5 | 5 | 3 | 3 | 9 | 0 | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 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        | 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 **18 1.0**  
Ventricle, Dilatation **1 2.0**

**RESPIRATORY SYSTEM**

Lung **47**  
Congestion **1 3.0**  
Crystals **1 2.0**  
Infiltration Cellular, Histiocyte **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 |               |                 |
| 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             |                 |
|                                   | 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 | 8             |                 |
| .....                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |               |                 |
| <b>C57BL/6N XC3H/HEN MTV-NCTR</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0             |                 |
| <b>MICE FEMALE</b>                | 0 | 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             |                 |
| ANIMAL ID                         | 4 | 0 | 0 | 5 | 5 | 5 | 5 | 3 | 3 | 9 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 7 | 7             |                 |
| <b>AZTM/3TCM/NFVM/0</b>           | 9 | 3 | 4 | 2 | 3 | 4 | 5 | 7 | 8 | 1 | 2 | 4 | 3 | 7 | 2 | 8 | 9 | 0 | 1 | 4 | 8 | 9 | 7 | 8             | <b>* TOTALS</b> |
| Infiltration Cellular, Lymphocyte | 1 | 2 |   |   |   |   |   |   | 2 |   |   |   | 1 |   | 2 | 1 | 1 | 1 |   |   |   |   | 2 | <b>23 1.3</b> |                 |

\* .. 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 181

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

ANIMAL ID females (cont...)

**ALIMENTARY SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus  | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder<br>Infiltration Cellular, Lymphocyte                             | A | A | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum<br>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<br>Hyperplasia, Lymphoid<br>Epithelium, Hyperplasia | A | A | + | + | + | A | + | A | + | + | + | A | + | 2 | + | + | + | + | + | + | + | + | + |
| Liver  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Angiectasis  |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Basophilic Focus   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hematopoietic Cell Proliferation   |   |   |   |   |   |   |   |   |   |   | 4 |   |   |   | 1 |   |   |   |   |   |   |   |   |
| Infiltration Cellular, Lymphocyte  |   |   | 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 182

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 5 5 6 6 6 6 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ANIMAL ID   | 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 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>C57BL/6N XC3H/HEN MTV-NCTR<br/>MICE FEMALE</b> | 0   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   | 0   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   | 0   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   | 0   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>AZTL/3TCL/NFVL/0</b>                           | 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 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   | 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                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |
| Vacuolization Cytoplasmic                     | 2 | 1 | 2 | 1 | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4 | 1 | 1 | 1 |
| Mesentery Hemorrhage                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |   |   |
| Fat, Necrosis                                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4 |   |   |
| Pancreas                                      | A | M | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |   |   |
| Cytoplasmic Alteration                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Infiltration Cellular, Lymphocyte             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |
| Acinus, Degeneration                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |
| Duct, Dilatation                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |
| Salivary Glands                               | A | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |   |   |
| Infiltration Cellular, Lymphocyte             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |
| Polyarteritis                                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |
| Stomach, Forestomach                          | A | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |   |   |
| Ulcer   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 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  
 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|   | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 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 | 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 |   |
| <b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 |
| <b>AZTL/3TCL/NFVL/0</b>                       | 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 |
|   | 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...)

|                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 3 | 2 | 3 | 2 | 2 | 2 | 3 | 2 |   |   | 2 | 2 | 1 | 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 | 2 |   |   |
| Thyroid Gland                     | A | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Cyst                              |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Infiltration Cellular, Lymphocyte |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Polyarteritis                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |
| Follicle, 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 | 0 | 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 | 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 |   |
| <b>C57BL/6N XC3H/HEN MTV-NCTR</b>          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
| <b>MICE FEMALE</b>                         | 0 | 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 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 |   |
| <b>AZTL/3TCL/NFVL/0</b>                    | 4 | 4 | 5 | 7 | 0 | 1 | 5 | 6 | 9 | 0 | 2 | 3 | 4 | 6 | 7 | 0 | 8 | 8 | 4 | 4 | 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 |   |
| 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               |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymph Node, Mandibular                     | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Hyperplasia, Lymphoid                      |   |   |   |   |   | 2 |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Infiltration Cellular, Plasma Cell         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymph Node, Mesenteric                     | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Hyperplasia, Lymphoid                      |   |   |   |   |   | 1 |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Infiltration Cellular, Plasma Cell         |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Spleen                                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Hematopoietic Cell Proliferation           |   |   |   |   |   | 3 |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hyperplasia, Lymphoid                      |   |   |   |   |   | 3 |   |   | 3 |   | 3 |   |   |   |   |   |   |   |   |   | 3 | 4 | 2 | 3 | 3 | 4 |
| Thymus                                     | A | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + |   |
| Atrophy                                    |   |   |   |   |   | 2 |   |   | 2 | 2 |   | 3 |   | 3 | 3 |   |   |   |   | 3 |   | 3 |   |   |   |   |
| Hyperplasia, Lymphoid                      |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

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  
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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 |
|  | 4 | 5 | 5 | 5 | 5 | 6 | 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 |
| <hr/>  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| C57BL/6N XC3H/HEN MTV-NCTR<br>MICE FEMALE<br>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 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 |
|  | 4 | 4 | 5 | 7 | 0 | 1 | 5 | 6 | 9 | 0 | 2 | 3 | 4 | 6 | 7 | 0 | 0 | 8 | 8 | 4 | 4 | 4 | 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...)

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland<br>Lactation<br>Alveolus, Hyperplasia | A | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Skin<br>Infiltration Cellular, Lymphocyte | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

### MUSCULOSKELETAL SYSTEM

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

### NERVOUS SYSTEM

|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain, Brain Stem<br>Compression | A | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 2 | + | + | + |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

|                                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain, Cerebellum<br>Hemorrhage | A | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain, Cerebrum<br>Cyst Epithelial Inclusion<br>Hemorrhage<br>Mineralization | A | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|  |   |   |   |   | 1 | 1 | 1 |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   |   |   |   |   |   | 1 | 1 | 1 | 1 | 1 |

### RESPIRATORY SYSTEM

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

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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         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|   |           | 4 | 5 | 5 | 5 | 5 | 6 | 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 | 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 |   |
| <b>C57BL/6N XC3H/HEN MTV-NCTR<br/>MICE FEMALE</b> | 0         | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 0         | 0 | 0 | 0 | 0 | 0 | 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 | 6 | 7 | 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 | 8 | 8 |
| <b>AZTL/3TCL/NFVL/0</b>                           | 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...)

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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

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                       | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 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 | 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 |   |   |
| <b>C57BL/6N XC3H/HEN MTV-NCTR</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
| <b>MICE FEMALE</b>                | 0 | 0 | 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 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 |   |
| <b>AZTL/3TCL/NFVL/0</b>           | 4 | 4 | 5 | 7 | 0 | 1 | 5 | 6 | 9 | 0 | 2 | 3 | 4 | 6 | 7 | 0 | 0 | 8 | 8 | 4 | 4 | 4 | 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 |   |   |
| Hyaline Droplet                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |
| Infiltration Cellular, Lymphocyte |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |
| Metaplasia, Osseous               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |
| Nephropathy                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |
| Polyarteritis                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |
| Urinary Bladder                   | A | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Infiltration Cellular, Lymphocyte |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |
| Polyarteritis                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |

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  
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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 | 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               |
| <b>C57BL/6N XC3H/HEN MTV-NCTR<br/>MICE FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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               |
| <b>AZTL/3TCL/NFVL/0</b>                           | 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               |
|   | 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 | <b>* TOTALS</b> |

|                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |              |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|
| Blood Vessel   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b>    |
| Heart          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b>    |
| Cardiomyopathy |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1 3.0</b> |
| Polyarteritis  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1 1.0</b> |

**ENDOCRINE SYSTEM**

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

\* .. 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 192









TDMS No. 20311 - 02  
 Test Type: CHRONIC  
 Route: IN-UTERO  
 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

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

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |               |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|---------------|
| Lung                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |               |
| Crystals                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>1 2.0</b>  |
| Infiltration Cellular, Histiocyte |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>1 2.0</b>  |
| Infiltration Cellular, Lymphocyte | 1 |   |   |   | 1 |   |   |   | 1 |   | 1 |   | 2 |   |   | 1 |   |   |   |   | 2 |   |   |   |   |           | <b>14 1.4</b> |
| Inflammation, Chronic Active      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |           | <b>1 1.0</b>  |
| Alveolar Epithelium, Hyperplasia  |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>1 1.0</b>  |
| Nose                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         | <b>48</b>     |
| Trachea                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         | <b>47</b>     |

### SPECIAL SENSES SYSTEM

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |              |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------|
| Eye                               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>45</b> |              |
| Cataract                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>1 4.0</b> |
| Harderian Gland                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>46</b> |              |
| Cyst                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>1 4.0</b> |
| Infiltration Cellular, Lymphocyte | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>4 1.3</b> |
| Inflammation, Chronic             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>1 2.0</b> |
| Inflammation, Chronic Active      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>1 1.0</b> |
| Acinus, Degeneration              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>2 3.5</b> |

### URINARY SYSTEM

|        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>47</b> |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|

\* .. 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 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |          |     |
| C57BL/6N XC3H/HEN MTV-NCTR<br>MICE FEMALE<br>ANIMAL ID | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |          |     |
|  | 9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |          |     |
| AZTL/3TCL/NFVL/0                                       | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |          |     |
|  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |          |     |
| Hyaline Droplet  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2        | 3.5 |
|  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |          |     |
| Infiltration Cellular, Lymphocyte                      | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1        | 1.3 |
|  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |          |     |
| Metaplasia, Osseous                                    | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1        | 2.0 |
|  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |          |     |
| Nephropathy  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1        | 1.4 |
|  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |          |     |
| Polyarteritis  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2        | 2.0 |
|  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |          |     |
| Urinary Bladder  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 47       |     |
|  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |          |     |
| Infiltration Cellular, Lymphocyte                      | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 19       | 1.1 |
|  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |          |     |
| Polyarteritis  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1        | 1.0 |
|  | 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 197

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

females (cont...)

ALIMENTARY SYSTEM

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus  | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + |
| Gallbladder  | A | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum<br>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<br>Inflammation, Chronic Active   | A | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum<br>Hyperplasia, Lymphoid  | A | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver<br>Basophilic Focus<br>Cyst<br>Eosinophilic Focus<br>Hematopoietic Cell Proliferation<br>Infiltration Cellular, Histiocyte | A | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

\* .. 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

|   | 0 | 0 | 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 | 6 | 7 | 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 |   |
| <b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE SOLVENT to 0</b>  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
|   | 0 | 0 | 0 | 0 | 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 | 6 |   |
|   | 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 |   |
| ANIMAL ID   | 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 |   |
| Infiltration Cellular, Lymphocyte Inflammation, Chronic Active Mineralization Mixed Cell Focus Necrosis Tension Lipidosis Vacuolization Cytoplasmic |   |   |   | 1 |   |   |   |   | 1 |   |   |   |   | 1 |   |   |   |   | 2 |   |   | 1 |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   | 2 |   |   | 1 |   | 2 |   |
|   |   | 2 | 1 |   | 1 |   |   | 3 | 1 | 3 |   |   | 2 | 1 |   |   | 1 |   | 1 |   | 1 | 2 |   |   |   |   |
| Mesentery Fat, Necrosis   |   |   |   |   |   |   |   |   |   |   |   |   | + |   |   | + |   |   |   |   |   |   | + | + |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   | 4 |   |   |   |   |   |   | 4 | 3 |   |   |
| Pancreas Cyst Infiltration Cellular, Lymphocyte Acinus, Degeneration  | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
|   |   |   |   |   |   |   |   | 1 | 1 |   |   |   |   |   |   | 1 | 1 |   |   |   | 1 | 1 |   |   | 2 |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |
| Salivary Glands Infiltration Cellular, Lymphocyte   | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   | 2 | 3 |   | 1 |   | 2 | 2 | 2 |   |   |   |   |   | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 |
| Stomach, Forestomach Ulcer Epithelium, Hyperplasia  | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Stomach, Glandular Infiltration Cellular, Lymphocyte  | A | 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

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 |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | 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 | 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 |   |   |
|  | 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 | 7 |   |   |
| <b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE SOLVENT to 0</b>   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |   |
|  | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 6 |   |   |
|  | 5 | 5 | 8 | 7 | 7 | 8 | 1 | 1 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 8 | 8 | 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 | 4 | 5 | 5 | 5 |   |   |
| Blood Vessel   | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |   |
| Heart Inflammation, Suppurative                              | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |   |
|  | 4 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| <b>ENDOCRINE SYSTEM</b>                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Adrenal Cortex Accessory Adrenal Cortical Nodule Hypertrophy | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |   |
| Vacuolization Cytoplasmic Subcapsular, Hyperplasia           |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   | X |   |   |   |   | X |   |   |   |   |   |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|  |   | 1 | 2 | 2 |   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |   |   |
| Adrenal Medulla  | A | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |   |
| Islets, Pancreatic Hyperplasia                               | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |   |
| Infiltration Cellular, Lymphocyte                            |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Parathyroid Gland Cyst Hypertrophy                           | A | M | + | + | A | + | + | + | + | + | + | + | + | + | + | M | + | + | M | + | M | M | + | + | + | + | + |   |   |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Pituitary Gland Pars Distalis, Angiectasis                   | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |   |
| Pars Distalis, Cyst  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | M | + | + | + |
| Pars Distalis, Hyperplasia                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 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 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 | 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 |   |
| <b>C57BL/6N XC3H/HEN MTV-NCTR</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
| <b>MICE FEMALE</b>                | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
| <b>SOLVENT to 0</b>               | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 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 | 6 | 8 | 8 | 8 | 8 | 4 | 4 | 5 |   |
|                                   | 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 |   |   |

females (cont...)

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

**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 | 4 |
| Ovary                            | A | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy                          |   |   | 2 | 3 |   | 4 | 3 | 3 | 3 | 2 | 4 | 4 | 4 | 3 | 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 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|   | 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 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>C57BL/6N XC3H/HEN MTV-NCTR<br/>MICE FEMALE</b> | 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 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   | 0 0 0 0 1 1 1 2 2 2 2 2 3 3 3 3 4 4 4 4 5 5 5 6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   | 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 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>SOLVENT to 0</b>                               |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

females  
(cont...)

Bone Marrow A A + + A +  
Hyperplasia 3

Lymph Node A + + + + + + + + + +  
Hemorrhage 2  
Axillary, Autolysis 4  
Bronchial, Autolysis 4  
Iliac, Autolysis 4  
Lumbar, Autolysis 4  
Lumbar, Hyperplasia, Lymphoid 3 2 3  
Lumbar, Infiltration Cellular, Plasma Cell 2  
Lumbar, Infiltration Cellular, Polymorphonuclear 3 1  
Mediastinal, Autolysis 4  
Mediastinal, Hyperplasia, Lymphoid 2  
Renal, Autolysis 4  
Renal, Hyperplasia, Lymphoid 2  
Renal, Infiltration Cellular, Polymorphonuclear 2  
Sinus, Dilatation 4

Lymph Node, Mandibular A + + + A + + + + M + + + + + + + + + + + + + + + + +  
Autolysis 4  
Erythrophagocytosis  
Hyperplasia, Lymphoid 2 1 1 2  
Infiltration Cellular, Plasma Cell  
Infiltration Cellular, Polymorphonuclear 2

Lymph Node, Mesenteric A + + + A +  
Autolysis 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 202



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<br>(cont...) |   |
|-----------------------------------|---------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------------------|---|
|                                   | 1       | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |                      |   |
| 0                                 | 0       | 0 | 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                    | 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  | 3                    | 0 |
| 3                                 | 4       | 7 | 6 | 6 | 1 | 6 | 9 | 5 | 4 | 7  | 5  | 2  | 2  | 2  | 2  | 3  | 3  | 3  | 3  | 3  | 7  | 7  | 7  | 7  | 7                    | 0 |
| <b>C57BL/6N XC3H/HEN MTV-NCTR</b> | 0       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0                    | 0 |
| <b>MICE FEMALE</b>                | 0       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0                    | 0 |
| <b>SOLVENT to 0</b>               | 0       | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 2  | 2  | 3  | 3  | 3  | 3  | 4  | 4  | 4  | 4  | 4  | 5  | 5  | 5  | 6  | 6                    | 6 |
| <b>ANIMAL ID</b>                  | 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  | 4  | 5                    |   |

Skeletal Muscle

**NERVOUS SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Brain, Brain Stem<br>Compression<br>Hemorrhage | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Brain, Cerebellum                              | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Brain, Cerebrum<br>Mineralization              | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Peripheral Nerve                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Spinal Cord                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |

**RESPIRATORY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Lung<br>Crystals<br>Hemorrhage<br>Infiltration Cellular, Histiocyte<br>Infiltration Cellular, Lymphocyte<br>Metaplasia, Osseous<br>Alveolar Epithelium, Hyperplasia | + | 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  
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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 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|             | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 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 |   |

---

| ANIMAL ID | 0 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | females<br>(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 | 0 | 0 | 0 | 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 | 4 | 5 | 5 | 5 | 6 | 6 | 6                    |
| 5         | 5 | 8 | 7 | 7 | 8 | 1 | 1 | 3 | 3 | 4 | 4 | 5 | 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 | 4 | 5 | 5                    |

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nose<br>Inflammation, Suppurative | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Trachea                           | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

**SPECIAL SENSES SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye<br>Cornea, Inflammation, Chronic Active          | A | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland<br>Infiltration Cellular, Lymphocyte | A | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|  |   |   | 1 |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   | 1 |

**URINARY SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney<br>Amyloid Deposition                         | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte                    |   |   |   | 2 |   |   |   |   | 1 | 1 | 1 |   |   |   | 1 | 1 | 1 | 2 |   |   |   |   |   |   |   |
| Metaplasia, Osseous                                  |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Nephropathy  |   | 4 | 2 | 1 |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   | 1 |   | 1 | 1 |   | 2 | 1 |
| Urinary Bladder<br>Infiltration Cellular, Lymphocyte | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lumen, Dilatation                                    |   |   |   |   |   |   |   |   | 1 |   |   |   |   | 1 |   | 1 |   |   | 1 | 1 |   |   | 2 | 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 205

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 |
| <b>C57BL/6N XC3H/HEN MTV-NCTR</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>MICE FEMALE</b>                | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>SOLVENT to 0</b>               | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| <b>ANIMAL ID</b>                  | 4 | 2 | 2 | 3 | 5 | 9 | 9 | 9 | 4 | 4 | 4 | 0 | 0 | 5 | 5 | 5 | 5 | 0 | 0 | 5 | 9 | 0 | 1 | 1 | 1 |
|                                   | 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...)

**ALIMENTARY SYSTEM**

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

\* .. 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 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |                      |   |   |  |  |  |  |  |  |   |   |  |  |   |   |
| C57BL/6N XC3H/HEN MTV-NCTR<br>MICE FEMALE<br>SOLVENT to 0 | 0 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |                      |   |   |  |  |  |  |  |  |   |   |  |  |   |   |
|   | 6 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |                      |   |   |  |  |  |  |  |  |   |   |  |  |   |   |
| ANIMAL ID   | 0 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |                      |   |   |  |  |  |  |  |  |   |   |  |  |   |   |
|   | 6 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |                      |   |   |  |  |  |  |  |  |   |   |  |  |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   | females<br>(cont...) |   |   |  |  |  |  |  |  |   |   |  |  |   |   |
| Infiltration Cellular, Lymphocyte                         | 1 |   |   |   | 1 |   |   |   |   |   |   |   |   |   | 1 | 1 | 1 |  |   |   |   |   | 1 |                      |   |   |  |  |  |  |  |  | 1 |   |  |  |   |   |
| Inflammation, Chronic Active                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |                      |   |   |  |  |  |  |  |  |   | 1 |  |  |   |   |
| Mineralization  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |                      |   |   |  |  |  |  |  |  |   |   |  |  |   |   |
| Mixed Cell Focus  |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |                      |   |   |  |  |  |  |  |  |   |   |  |  |   |   |
| Necrosis  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |                      |   |   |  |  |  |  |  |  |   | 1 |  |  |   |   |
| Tension Lipidosis   | 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                         | 1 |   |   | 1 |   |   |   |   | 1 |   |   | 1 |   |   |   |   |   |  |   |   |   | 1 |   |                      |   | 1 |  |  |  |  |  |  |   |   |  |  |   |   |
| Acinus, Degeneration                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |                      |   |   |  |  |  |  |  |  |   |   |  |  |   |   |
| Salivary Glands   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |                      |   |   |  |  |  |  |  |  |   |   |  |  |   |   |
| Infiltration Cellular, Lymphocyte                         | 2 |   | 2 | 1 | 2 | 2 | 1 |   | 1 | 2 |   | 1 | 1 | 1 |   | 2 | 2 |  | 1 | 2 | 2 | 2 | 2 | 2                    | 2 |   |  |  |  |  |  |  |   | 2 |  |  |   |   |
| Stomach, Forestomach                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |                      |   |   |  |  |  |  |  |  |   |   |  |  |   |   |
| Ulcer   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |                      |   |   |  |  |  |  |  |  |   |   |  |  | 2 |   |
| Epithelium, Hyperplasia                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |                      |   |   |  |  |  |  |  |  |   |   |  |  | 3 |   |
| Stomach, Glandular  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |                      |   |   |  |  |  |  |  |  |   |   |  |  |   |   |
| Infiltration Cellular, Lymphocyte                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |                      |   |   |  |  |  |  |  |  |   |   |  |  |   | 1 |

### 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 |   |                          |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------------|
|  | 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                        |
|  | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 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 | 4 | 5 | 5 | 5 | 9 | 9 |                          |
| <b>C57BL/6N XC3H/HEN MTV-NCTR</b>                        | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0                        |
| <b>MICE FEMALE</b>                                       | 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                        |
| <b>SOLVENT to 0</b>                                      | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1                        |
| <b>ANIMAL ID</b>   | 4 | 2 | 2 | 3 | 5 | 9 | 9 | 9 | 4 | 4 | 4 | 0 | 5 | 5 | 5 | 5 | 5 | 0 | 0 | 5 | 9 | 0 | 5 | 9 | 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 |   | <b>females (cont...)</b> |
| Thyroid Gland  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +                        |
| Ectopic Thymus   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |                          |
| Infiltration Cellular, Lymphocyte Follicle, Degeneration |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |                          |
| Follicular Cell, Hypertrophy                             |   | 1 |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   | 1 |   |   |   |   |   |   |   |   | 2 |                          |

GENERAL BODY SYSTEM

|   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| Tissue NOS                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | + |
| Abdominal, Inflammation, Chronic Active |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4 |

GENITAL SYSTEM

|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland                   | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Degeneration                     | 4 |   |   |   | 4 |   | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 2 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |   |   |
| Ovary                            | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Atrophy                          | 3 | 3 | 4 | 3 | 4 | 2 | 4 |   | 3 | 3 | 4 | 4 | 3 |   | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 |   |   |
| Cyst                             | 2 |   | 3 |   |   | 2 |   |   |   |   |   |   |   |   |   | 3 | 4 |   |   | 2 | 2 |   |   |   |   |   |   |   |
| Bilateral, Cyst                  |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |
| Uterus                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Hydrometra                       |   |   |   | 4 |   |   |   | 4 |   | 4 |   |   |   |   | 4 |   |   | 4 |   |   |   |   |   |   |   |   |   |   |
| Endometrium, Hyperplasia, Cystic | 3 | 3 | 3 |   | 2 | 2 | 2 |   | 2 |   | 3 | 2 | 3 | 3 |   | 4 | 3 |   | 3 | 4 | 2 | 2 | 2 | 2 | 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  
Page 209  
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 |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | 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 |
|  | 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 |   |
| <b>C57BL/6N XC3H/HEN MTV-NCTR</b>                | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>MICE FEMALE</b>                               | 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 |
| <b>SOLVENT to 0</b>                              | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| <b>ANIMAL ID</b>                                 | 4 | 2 | 2 | 3 | 5 | 9 | 9 | 4 | 4 | 4 | 0 | 0 | 5 | 5 | 5 | 5 | 0 | 0 | 5 | 9 | 0 | 0 | 8 | 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 |   |
| Bone Marrow                                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Hyperplasia                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymph Node                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hemorrhage                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Axillary, Autolysis                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Bronchial, Autolysis                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Iliac, Autolysis                                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lumbar, Autolysis                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lumbar, Hyperplasia, Lymphoid                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lumbar, Infiltration Cellular, Plasma Cell       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lumbar, Infiltration Cellular, Polymorphonuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mediastinal, Autolysis                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mediastinal, Hyperplasia, Lymphoid               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Renal, Autolysis                                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Renal, Hyperplasia, Lymphoid                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Renal, Infiltration Cellular, Polymorphonuclear  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Sinus, Dilatation                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymph Node, Mandibular                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Autolysis  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Erythrophagocytosis                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hyperplasia, Lymphoid                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Infiltration Cellular, Plasma Cell               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Infiltration Cellular, Polymorphonuclear         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymph Node, Mesenteric                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Autolysis  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

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

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 | 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 |
| <b>C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| <b>SOLVENT to 0</b>                           | 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

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 |
| <b>C57BL/6N XC3H/HEN MTV-NCTR</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>MICE FEMALE</b>                | 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 |
| <b>SOLVENT to 0</b>               | 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 |
| <b>ANIMAL ID</b>                  | 4 | 2 | 2 | 3 | 5 | 9 | 9 | 9 | 4 | 4 | 4 | 0 | 5 | 5 | 5 | 5 | 5 | 0 | 5 | 9 | 0 | 8 | 8 | 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...)

Skeletal Muscle

+

**NERVOUS SYSTEM**

Brain, Brain Stem  
Compression  
Hemorrhage

+ +

Brain, Cerebellum

+ +

Brain, Cerebrum  
Mineralization

+  
1 1

Peripheral Nerve

+

Spinal Cord

+

**RESPIRATORY SYSTEM**

Lung  
Crystals  
Hemorrhage  
Infiltration Cellular, Histiocyte  
Infiltration Cellular, Lymphocyte  
Metaplasia, Osseous  
Alveolar Epithelium, Hyperplasia

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

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nose<br>Inflammation, Suppurative | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |
| Trachea                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

**SPECIAL SENSES SYSTEM**

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

**URINARY SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney<br>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<br>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  
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 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<br>MICE FEMALE | 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 | 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 |                 |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>* TOTALS</b> |

**ALIMENTARY SYSTEM**

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

\* .. 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 |                 |     |
| .....                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |     |
| <b>C57BL/6N XC3H/HEN MTV-NCTR</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               |     |
| <b>MICE FEMALE</b>                | 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               |     |
| <b>SOLVENT to 0</b>               | 6 | 5 | 8 | 4 | 6 | 7 | 2 | 3 | 9 | 0 | 1 | 4 | 5 | 6 |                 |     |
|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>* TOTALS</b> |     |
| 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                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 | 8   |
| Fat, Necrosis                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4               | 3.4 |
| .....                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |     |
| Pancreas                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +               |     |
| Cyst                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 62              |     |
| Infiltration Cellular, Lymphocyte |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2               | 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 |
| <b>C57BL/6N XC3H/HEN MTV-NCTR</b> | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>MICE FEMALE</b>                | 1               | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| <b>SOLVENT to 0</b>               | 1               | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| <b>ANIMAL ID</b>                  | 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 |
|                                   | <b>* TOTALS</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |              |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|
| Blood Vessel              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>62</b>    |
| Heart                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>63</b>    |
| Inflammation, Suppurative |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1 4.0</b> |

**ENDOCRINE SYSTEM**

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

\* .. 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 |   |
| <b>C57BL/6N XC3H/HEN MTV-NCTR</b> | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>MICE FEMALE</b>                | 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 |
| <b>SOLVENT to 0</b>               | 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 |   |
|                                   | <b>* TOTALS</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

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

**GENERAL BODY SYSTEM**

|   |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |              |
|---|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--------------|
| Tissue NOS                              |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  | <b>3</b>     |
| Abdominal, Inflammation, Chronic Active |  |  | + |  |  |  |  |  |  |  |  |  |  |  |  | <b>1 4.0</b> |

**GENITAL SYSTEM**

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

**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 217

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

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

\* .. 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 |   |
| <b>C57BL/6N XC3H/HEN MTV-NCTR</b> | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>MICE FEMALE</b>                | 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 |
| <b>SOLVENT to 0</b>               | 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 |   |
|                                   | <b>* TOTALS</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

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

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 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 |   |
| <b>C57BL/6N XC3H/HEN MTV-NCTR</b> | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>MICE FEMALE</b>                | 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 |
| <b>SOLVENT to 0</b>               | 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 |   |
|                                   | <b>* TOTALS</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |              |           |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|-----------|
| Nose                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +            | <b>62</b> |
| Inflammation, Suppurative |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1 2.0</b> |           |
| Trachea                   | A | + | + | + | + | + | + | + | + | + | + | + | + | + | +            | <b>61</b> |

**SPECIAL SENSES SYSTEM**

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

**URINARY SYSTEM**

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

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 x .. Lesion present  
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|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
|                                   | 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 |                 |
| .....                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |
| <b>C57BL/6N XC3H/HEN MTV-NCTR</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               |
| <b>MICE FEMALE</b>                | 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               |
| <b>SOLVENT to 0</b>               | 6 | 5 | 8 | 4 | 6 | 7 | 2 | 3 | 9 | 0 | 1 | 4 | 5 | 6 |                 |
|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>* TOTALS</b> |

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

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

+ .. Tissue examined microscopically

x .. Lesion present

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Page 222

1-4 .. Lesion qualified as:

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2) Mild 4) Marked