

TDMS No. 20310 - 02
Test Type: 26-39 WEEKS
Route: GAVAGE
Species/Strain: MICE/C3B6F1-+/Trp53(tm1Brd)

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
3'-Azido-3'-deoxythymidine (AZT)
CAS Number: 30516-87-1

Date Report Requested: 07/22/2009
Time Report Requested: 11:51:06
First Dose M/F: 11/18/04 / NA
Lab: NCTR

C Number: C20310C

Lock Date: 12/01/2008

Cage Range: ALL

Date Range: ALL

Reasons For Removal: ALL

Removal Date Range: ALL

Treatment Groups: Include 912 Vehicle 9 mo M Include 913 AZT 40 9 mo M Include 914 AZT 80 9 mo M
Include 915 AZT 120 9 mo M

Study Gender: Male

TDMSE Version: 2.1.0

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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 3'-Azido-3'-deoxythymidine (AIDS)
 CAS Number: 30516-87-1

Date Report Requested: 07/22/2009
 Time Report Requested: 11:51:06
 First Dose M/F: 11/18/04 / NA
 Lab: NCTR

DAY ON TEST	0	0	
	3	3	
	3	3	
	6	6	
.....			
C3B6F1-+/TRP53(TM1BRD) NCTR	0	0	
MICE MALE	0	0	
	6	6	
ANIMAL ID	3	3	
Vehicle 9 mo M	0	1	
			* TOTALS

ALIMENTARY SYSTEM

Esophagus	+	+		27
Gallbladder	+	+		26
Intestine Large, Cecum	+	+		26
Intestine Large, Colon	+	+		26
Intestine Large, Rectum	+	+		26
Intestine Small, Duodenum	+	+		26
Intestine Small, Ileum	+	+		26
Intestine Small, Jejunum	+	+		26
Liver	+	+		26
Basophilic Focus				1
Cytomegaly	1			14 1.6
Hematopoietic Cell Proliferation				1 1.0
Tension Lipidosis				3 1.0
Vacuolization Cytoplasmic	1	1		20 1.6
Pancreas	+	+		27

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1) Minimal 3) Moderate

2) Mild 4) Marked

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DAY ON TEST	0	3	6
	0	3	6
	0	3	6
	0	3	6
	0	3	6
C3B6F1-+/TRP53(TM1BRD) NCTR	0	0	0
MICE MALE	0	0	0
	6	6	6
ANIMAL ID	3	3	3
Vehicle 9 mo M	0	1	
			* TOTALS

Acinar Cell, Degeneration				1 2.0
Salivary Glands	+	+		27
Infiltration Cellular, Lymphocyte	1	1		7 1.0
Stomach, Forestomach	+	+		26
Epithelium, Hyperplasia				1 3.0
Stomach, Glandular	+	+		26

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+		27
Heart	+	+		27
Pericardium, Inflammation, Chronic Active				1 3.0

ENDOCRINE SYSTEM

Adrenal Cortex	+	+		27
Accessory Adrenal Cortical Nodule				1
Cyst				1 1.0
Hypertrophy				1 2.0
Subcapsular, Hyperplasia				6 1.0
Adrenal Medulla	+	+		25

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<hr/>						
C3B6F1-+/TRP53(TM1BRD) NCTR	0	0				
MICE MALE	0	0				
	6	6				
Vehicle 9 mo M	3	3				
	0	1				* TOTALS
Islets, Pancreatic	+	+				27
Parathyroid Gland	+	+				16
Pituitary Gland	+	+				25
Thyroid Gland	+	+				26
Cyst						1 1.0
<hr/>						
GENERAL BODY SYSTEM						
Tissue NOS						2
Mediastinum, Abscess						1 4.0
<hr/>						
GENITAL SYSTEM						
Epididymis	+	+				27
Preputial Gland	+	+				27
Infiltration Cellular, Lymphocyte						1 1.0
Prostate	+	+				27
Seminal Vesicle	+	+				26
Testes	+	+				27

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<hr/>					
C3B6F1-+/TRP53(TM1BRD) NCTR	0	0	0	0	0
MICE MALE	6	6	6	6	6
Vehicle 9 mo M	0	1			
					* TOTALS

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+				27	
Myeloid Cell, Hyperplasia							2 3.0
Lymph Node, Mandibular	+	+				27	
Hyperplasia, Lymphoid							1 1.0
Lymph Node, Mesenteric	+	+				26	
Hyperplasia, Lymphoid	2	2					13 1.7
Spleen	+	+				26	
Hematopoietic Cell Proliferation							4 2.3
Hyperplasia, Lymphoid							2 2.0
Thymus	+	+				27	
Atrophy							1 4.0
Hyperplasia, Lymphoid							1 2.0

INTEGUMENTARY SYSTEM

Mammary Gland	M	M				0	
Skin	+	+				27	

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	0	3	6
	0	3	6
	0	3	6
	0	3	6
C3B6F1-+/TRP53(TM1BRD) NCTR	0	0	
MICE MALE	0	0	
	6	6	
ANIMAL ID	3	3	
Vehicle 9 mo M	0	1	
			* TOTALS

MUSCULOSKELETAL SYSTEM

Bone				1
Bone, Femur	+	+		27
Skeletal Muscle	+	+		27

NERVOUS SYSTEM

Brain, Brain Stem	+	+		27
Brain, Cerebellum	+	+		27
Brain, Cerebrum Mineralization	+	+		27
				4 1.0

RESPIRATORY SYSTEM

Lung	+	+		27
Congestion				1 3.0
Inflammation, Chronic Active				1 2.0
Nose	+	+		27
Exudate				1 4.0

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	0	3	3	
	3	3	3	
	6	6	6	
<hr/>				
C3B6F1-+/TRP53(TM1BRD) NCTR	0	0		
MICE MALE	0	0		
	6	6		
ANIMAL ID	3	3		
Vehicle 9 mo M	0	1		
				* TOTALS
Inflammation, Suppurative				1 3.0
Trachea	+	+		27
<hr/>				
SPECIAL SENSES SYSTEM				
Eye	+	+		26
Harderian Gland	+	+		27
<hr/>				
URINARY SYSTEM				
Kidney	+	+		26
Cyst				1 1.0
Infiltration Cellular, Lymphocyte				6 1.0
Urinary Bladder	+	+		27

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DAY ON TEST	0	3	4
	0	3	3
	3	3	3
	4	3	3
<hr/>			
C3B6F1-+/TRP53(TM1BRD) NCTR	0	0	
MICE MALE	0	0	
ANIMAL ID	5	5	
	4	4	
AZT 40 9 mo M	3	7	
			* TOTALS

ALIMENTARY SYSTEM

Esophagus	+	+	26	
Foreign Body				1
Adventitia, Inflammation, Suppurative				1 2.0
Adventitia, Necrosis				1 3.0
Gallbladder	+	+	25	
Intestine Large, Cecum	+	+	26	
Hyperplasia, Lymphoid				2 2.5
Intestine Large, Colon	+	+	26	
Intestine Large, Rectum	+	+	26	
Intestine Small, Duodenum	+	+	25	
Intestine Small, Ileum	+	+	26	
Intestine Small, Jejunum	+	+	25	
Liver	+	+	27	
Basophilic Focus				1
Cytomegaly	2	2		14 1.6
Vacuolization Cytoplasmic	2	2		17 1.8

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DAY ON TEST	0	3	4	7		
	0	3	3	3		
	0	3	3	3		
	0	3	3	3		
	0	3	3	3		
C3B6F1-+/TRP53(TM1BRD) NCTR MICE MALE	0	0	0	0		
	0	0	0	0		
	5	5	5	5		
AZT 40 9 mo M	4	4	4	4		
	3	7	7	7		
						* TOTALS
Mesentery						2
Pancreas	+	+				27
Salivary Glands	+	+				26
Infiltration Cellular, Lymphocyte						4 1.0
Stomach, Forestomach	+	+				26
Epithelium, Hyperplasia, Squamous						1 1.0
Stomach, Glandular	+	+				26
CARDIOVASCULAR SYSTEM						
Blood Vessel	+	+				27
Heart	+	+				27
Inflammation, Suppurative						1 1.0
ENDOCRINE SYSTEM						
Adrenal Cortex	+	+				27
Subcapsular, Hyperplasia	1	1				6 1.2
Adrenal Medulla	+	+				26

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DAY ON TEST	0	3	4	7		
	0	3	3	3		
	0	3	3	3		
	0	3	3	3		
	0	3	3	3		
C3B6F1-+/TRP53(TM1BRD) NCTR MICE MALE	0	0	0	0		
	0	0	0	0		
	5	5	5	5		
AZT 40 9 mo M	4	4	4	4		
	3	7	3	7		
						* TOTALS
Islets, Pancreatic	+	+				27
Parathyroid Gland	+	M				20
Pituitary Gland	+	+				27
Thyroid Gland	+	+				27
Cyst						1 1.0
Degeneration						1 1.0
Ectopic Thymus						1

GENERAL BODY SYSTEM

Tissue NOS **1**

GENITAL SYSTEM

Coagulating Gland **1**

Epididymis **27**

 Hypospermia **1 4.0**

Preputial Gland **26**

 Inflammation, Suppurative **1 1.0**

 Duct, Dilatation **1 3.0**

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	0	3	3	3	
	0	3	3	3	
	0	3	3	3	
	0	3	3	3	
C3B6F1-+/TRP53(TM1BRD) NCTR MICE MALE	0	0	0	0	
	0	0	0	0	
	5	5	5	5	
ANIMAL ID	4	4	4	4	
AZT 40 9 mo M	3	7			
					* TOTALS
Prostate	+	+			27
Seminal Vesicle	+	+			27
Testes	+	+			26
Interstitial Cell, Hyperplasia					1 1.0
Seminiferous Tubule, Degeneration					1 1.0

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+			26	
Myeloid Cell, Hyperplasia						2 3.0
Lymph Node					1	
Lymph Node, Mandibular	+	+			25	
Hyperplasia, Lymphoid						1 2.0
Lymph Node, Mesenteric	+	+			23	
Hyperplasia, Lymphoid						12 1.8
Spleen	+	+			25	
Hematopoietic Cell Proliferation						2 3.5
Hyperplasia, Lymphoid						5 2.0
Thymus	+	+			24	
Hyperplasia, Lymphoid						1 4.0

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DAY ON TEST	0	0	
	3	3	
	3	3	
	4	3	
.....			
C3B6F1-+/TRP53(TM1BRD) NCTR MICE MALE	0	0	
	0	0	
	5	5	
ANIMAL ID	4	4	
AZT 40 9 mo M	3	7	
			* TOTALS

INTEGUMENTARY SYSTEM

Mammary Gland	M	M	0
Skin	+	+	27

MUSCULOSKELETAL SYSTEM

Bone, Femur	+	+	27
Skeletal Muscle	+	+	27
Diaphragm, Foreign Body			1
Diaphragm, Inflammation, Granulomatous			1 4.0

NERVOUS SYSTEM

Brain, Brain Stem	+	+	27
Brain, Cerebellum	+	+	27
Brain, Cerebrum	+	+	27
Mineralization			1 1.0

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	0	3	3
	3	3	3
	4	3	3
<hr/>			
C3B6F1-+/TRP53(TM1BRD) NCTR MICE MALE	0	0	
	0	0	
	5	5	
ANIMAL ID	4	4	
AZT 40 9 mo M	3	7	
			* TOTALS

RESPIRATORY SYSTEM

Lung	+	+	27	
Infiltration Cellular, Lymphocyte				1 1.0
Mediastinum, Inflammation, Suppurative				1 3.0
Mediastinum, Necrosis				1 3.0
Nose	+	+	27	
Trachea	+	+	27	

SPECIAL SENSES SYSTEM

Eye	+	+	26	
Harderian Gland	+	+	27	

URINARY SYSTEM

Kidney	+	+	27	
Casts Protein				1 1.0
Cyst				1 2.0
Infiltration Cellular, Lymphocyte				11 1.0
Urinary Bladder	+	+	27	

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	0	0	0	0	
	3	3	3	3	
	3	3	3	3	
	4	3			
<hr/>					
C3B6F1-+/TRP53(TM1BRD) NCTR	0	0			
MICE MALE	0	0			
	5	5			
ANIMAL ID	4	4			
AZT 40 9 mo M	3	7			
					* TOTALS
Lumen, Dilatation					1 4.0

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	3	3	
	3	3	
	6	2	
.....			
C3B6F1-+/TRP53(TM1BRD) NCTR	0	0	
MICE MALE	0	0	
	5	6	
ANIMAL ID	5	3	
AZT 80 9 mo M	1	3	
			* TOTALS

ALIMENTARY SYSTEM

Esophagus	+	+	27	
Gallbladder	+	+	27	
Intestine Large, Cecum Hyperplasia, Lymphoid	+	+	27	2 2.0
Intestine Large, Colon	+	+	27	
Intestine Large, Rectum	+	+	27	
Intestine Small, Duodenum Inflammation, Chronic Active	+	+	27	1 2.0
Intestine Small, Ileum	+	+	27	
Intestine Small, Jejunum	+	+	27	
Liver Cytomegaly Vacuolization Cytoplasmic	+	+	27	13 1.5 23 1.5
Mesentery Fat, Fibrosis			1	1 2.0

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 Time Report Requested: 11:51:06
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 Lab: NCTR

DAY ON TEST	0	3	6
	0	3	2
<hr/>			
C3B6F1-+/TRP53(TM1BRD) NCTR MICE MALE	0	0	
	0	0	
	5	6	
ANIMAL ID	5	3	
AZT 80 9 mo M	1	3	
			* TOTALS

Pancreas	+	+	27	
Cytoplasmic Alteration				1 1.0
Inflammation, Chronic Active				1 1.0
Pigmentation				1 1.0
<hr/>				
Salivary Glands	+	+	27	
Infiltration Cellular, Lymphocyte				2 1.0
<hr/>				
Stomach, Forestomach	+	+	27	
<hr/>				
Stomach, Glandular	+	+	27	

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	27	
<hr/>				
Heart	+	+	27	
Polyarteritis				1 1.0

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	27	
Hypertrophy				1 2.0
Subcapsular, Hyperplasia				7 1.0

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 35

TDMS No. 20310 - 02
 Test Type: 26-39 WEEKS
 Route: GAVAGE
 Species/Strain: MICE/C3B6F1-+/Trp53(tm1Brd)

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 3'-Azido-3'-deoxythymidine (AZT)
 CAS Number: 30516-87-1

Date Report Requested: 07/22/2009
 Time Report Requested: 11:51:06
 First Dose M/F: 11/18/04 / NA
 Lab: NCTR

DAY ON TEST	0	3	6	2	
	0	0	3	3	
	0	0	3	3	
	0	0	6	2	
C3B6F1-+/TRP53(TM1BRD) NCTR MICE MALE	0	0	5	6	
AZT 80 9 mo M	0	0	5	3	
	1	3			* TOTALS
Adrenal Medulla	+	+			24
Islets, Pancreatic Hyperplasia	+	+			27 1 1.0
Parathyroid Gland	M	+			21
Pituitary Gland	+	+			27
Thyroid Gland Follicular Cell, Hyperplasia	+	+			27 1 2.0

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

Epididymis	+	+			27
Preputial Gland	+	+			27
Prostate	+	+			27
Seminal Vesicle	+	+			27
Testes	+	+			27

* .. 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 36

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20310 - 02
 Test Type: 26-39 WEEKS
 Route: GAVAGE
 Species/Strain: MICE/C3B6F1-+/Trp53(tm1Brd)

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 3'-Azido-3'-deoxythymidine (AZT)
 CAS Number: 30516-87-1

Date Report Requested: 07/22/2009
 Time Report Requested: 11:51:06
 First Dose M/F: 11/18/04 / NA
 Lab: NCTR

DAY ON TEST	0	3	6	2	
	0	3	3	2	
<hr/>					
C3B6F1-+/TRP53(TM1BRD) NCTR MICE MALE	0	0	0	0	
	5	6	5	3	
AZT 80 9 mo M	1	3			
					* TOTALS
Seminiferous Tubule, Degeneration					1 1.0

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+			27	
Myeloid Cell, Hyperplasia						1 2.0
Lymph Node, Mandibular	+	+			27	
Hyperplasia, Lymphoid						1 2.0
Hyperplasia, Plasma Cell						1 1.0
Lymph Node, Mesenteric	+	+			26	
Hyperplasia, Lymphoid			2			17 2.1
Hyperplasia, Plasma Cell						1 3.0
Infiltration Cellular, Histiocyte						1 3.0
Spleen	+	+			27	
Hematopoietic Cell Proliferation						5 2.0
Hyperplasia, Lymphoid						6 2.2
Thymus	+	+			27	
Atrophy						1 2.0

INTEGUMENTARY SYSTEM

Mammary Gland	M	+			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. 20310 - 02
 Test Type: 26-39 WEEKS
 Route: GAVAGE
 Species/Strain: MICE/C3B6F1-+/Trp53(tm1Brd)

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 3'-Azido-3'-deoxythymidine (AZT)
 CAS Number: 30516-87-1

Date Report Requested: 07/22/2009
 Time Report Requested: 11:51:06
 First Dose M/F: 11/18/04 / NA
 Lab: NCTR

DAY ON TEST	0	3	6
	0	3	2
.....			
C3B6F1-+/TRP53(TM1BRD) NCTR MICE MALE	0	0	
	0	0	
	5	6	
ANIMAL ID	5	3	
AZT 80 9 mo M	1	3	
			* TOTALS

Skin	+	+	27
Cyst Epithelial Inclusion			1

MUSCULOSKELETAL SYSTEM

Bone, Femur	+	+	27
Skeletal Muscle	+	+	27

NERVOUS SYSTEM

Brain, Brain Stem	+	+	27
Brain, Cerebellum	+	+	27
Brain, Cerebrum Mineralization	+	+	27 2 1.0

RESPIRATORY SYSTEM

Lung	+	+	27
Nose	+	+	27
Trachea	+	+	27

* .. 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 38

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20310 - 02
 Test Type: 26-39 WEEKS
 Route: GAVAGE
 Species/Strain: MICE/C3B6F1-+/Trp53(tm1Brd)

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 3'-Azido-3'-deoxythymidine (AZT)
 CAS Number: 30516-87-1

Date Report Requested: 07/22/2009
 Time Report Requested: 11:51:06
 First Dose M/F: 11/18/04 / NA
 Lab: NCTR

DAY ON TEST	0	0	
	3	3	
	3	3	
	6	2	
.....			
C3B6F1-+/TRP53(TM1BRD) NCTR	0	0	
MICE MALE	0	0	
	5	6	
ANIMAL ID	5	3	
AZT 80 9 mo M	1	3	
			* TOTALS

SPECIAL SENSES SYSTEM

Eye	+	+	27
Harderian Gland	+	+	27

URINARY SYSTEM

Kidney	+	+	27	
Infiltration Cellular, Lymphocyte				6 1.0
Urinary Bladder	+	+	27	
Lumen, Dilatation				2 4.0

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

TDMS No. 20310 - 02
 Test Type: 26-39 WEEKS
 Route: GAVAGE
 Species/Strain: MICE/C3B6F1-+/Trp53(tm1Brd)

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 3'-Azido-3'-deoxythymidine (AZT)
 CAS Number: 30516-87-1

Date Report Requested: 07/22/2009
 Time Report Requested: 11:51:06
 First Dose M/F: 11/18/04 / NA
 Lab: NCTR

DAY ON TEST	0																																
		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	1	1	2	3	3	3	3	
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	0	0	9	3	3	3	3		
	4	4	2	2	4	6	6	5	5	5	4	4	4	3	8	6	6	2	8	4	8	5	5	5	5								
.....																																	
C3B6F1-+/TRP53(TM1BRD) NCTR MICE MALE	0																																
	0																																
	3																																
	1																																
ANIMAL ID	2																																
	3																																
AZT 120 9 mo M																																	
																								males (cont...)									

ALIMENTARY SYSTEM

Esophagus	+ +																											
Gallbladder Mineralization	+ A A + + + +																											
Intestine Large, Cecum Hyperplasia, Lymphoid	+ A A + + + +																											
Intestine Large, Colon Epithelium, Hyperplasia	+ A A + + + +																											
Intestine Large, Rectum Hyperplasia, Lymphoid	+ A + + + + +																											
Intestine Small, Duodenum	+ A A + + + +																											
Intestine Small, Ileum	+ A A + + + +																											
Intestine Small, Jejunum	+ A A + + + +																											
Liver Basophilic Focus	+ +																											
Liver Cytomegaly	2 2 1 1 2 1 2 X 2 2																											
Liver Mixed Cell Focus	X																											
Liver Tension Lipidosis	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. 20310 - 02
 Test Type: 26-39 WEEKS
 Route: GAVAGE
 Species/Strain: MICE/C3B6F1-+/Trp53(tm1Brd)

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 3'-Azido-3'-deoxythymidine (AIDS)
 CAS Number: 30516-87-1

Date Report Requested: 07/22/2009
 Time Report Requested: 11:51:06
 First Dose M/F: 11/18/04 / NA
 Lab: NCTR

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

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

C3B6F1-+/TRP53(TM1BRD) NCTR MICE MALE

AZT 120 9 mo M

males (cont...)

Parathyroid Gland Cyst	M	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	M	+	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+

GENERAL BODY SYSTEM

Tissue NOS Thoracic, Thrombosis																										+	4
---------------------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---	---

GENITAL SYSTEM

Epididymis Hypospermia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+
Preputial Gland Degeneration Inflammation, Chronic Active	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	A	+	+	+	+	+
Seminal Vesicle Inflammation, Chronic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+

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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

Page 42

TDMS No. 20310 - 02
 Test Type: 26-39 WEEKS
 Route: GAVAGE
 Species/Strain: MICE/C3B6F1-+/Trp53(tm1Brd)

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 3'-Azido-3'-deoxythymidine (AZT)
 CAS Number: 30516-87-1

Date Report Requested: 07/22/2009
 Time Report Requested: 11:51:06
 First Dose M/F: 11/18/04 / NA
 Lab: NCTR

DAY ON TEST	0	0	3	2	3	9	2	4
C3B6F1-+/TRP53(TM1BRD) NCTR	0	0	0	0	5	6	5	7
MICE MALE	0	0	5	6	5	7	3	5
AZT 120 9 mo M								
ANIMAL ID								
								* TOTALS

ALIMENTARY SYSTEM

Esophagus	+	+							27	
Gallbladder	+	+							25	
Mineralization										1 2.0
Intestine Large, Cecum	+	+							25	
Hyperplasia, Lymphoid										3 2.0
Intestine Large, Colon	+	+							25	
Epithelium, Hyperplasia										1 2.0
Intestine Large, Rectum	+	+							26	
Hyperplasia, Lymphoid										1 2.0
Intestine Small, Duodenum	+	+							25	
Intestine Small, Ileum	+	+							25	
Intestine Small, Jejunum	+	+							25	
Liver	+	+							27	
Basophilic Focus										1
Cytomegaly										9 1.7
Mixed Cell Focus										1
Tension Lipidosis										1 1.0

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 46

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20310 - 02
 Test Type: 26-39 WEEKS
 Route: GAVAGE
 Species/Strain: MICE/C3B6F1-+/Trp53(tm1Brd)

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 3'-Azido-3'-deoxythymidine (AZT)
 CAS Number: 30516-87-1

Date Report Requested: 07/22/2009
 Time Report Requested: 11:51:06
 First Dose M/F: 11/18/04 / NA
 Lab: NCTR

DAY ON TEST	0	0	3	2	3	9	2	4
C3B6F1-+/TRP53(TM1BRD) NCTR MICE MALE	0	0	0	0	5	6	5	7
AZT 120 9 mo M	0	0	0	0	5	6	5	7
	3	5						
								* TOTALS

Vacuolization Cytoplasmic									13 1.5
Pancreas	+	+							27
Inflammation, Chronic Active									1 2.0
Salivary Glands	+	+							27
Infiltration Cellular, Lymphocyte									5 1.0
Stomach, Forestomach	+	+							27
Stomach, Glandular	+	+							25

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+							27
Heart	+	+							27

ENDOCRINE SYSTEM

Adrenal Cortex	+	+							27
Subcapsular, Hyperplasia	1								6 1.0
Adrenal Medulla	+	+							26
Islets, Pancreatic	+	+							27

* .. 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. 20310 - 02
 Test Type: 26-39 WEEKS
 Route: GAVAGE
 Species/Strain: MICE/C3B6F1-+/Trp53(tm1Brd)

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 3'-Azido-3'-deoxythymidine (AZT)
 CAS Number: 30516-87-1

Date Report Requested: 07/22/2009
 Time Report Requested: 11:51:06
 First Dose M/F: 11/18/04 / NA
 Lab: NCTR

DAY ON TEST	0	0	3	2	3	9	2	4	
<hr/>									
C3B6F1-+/TRP53(TM1BRD) NCTR	0	0	0	0	5	6	5	7	
MICE MALE	0	0	5	6	5	7	3	5	
AZT 120 9 mo M								* TOTALS	

Parathyroid Gland Cyst	M	+							22		
										1	2.0
Pituitary Gland	+	+							27		
Thyroid Gland	+	+							26		

GENERAL BODY SYSTEM

Tissue NOS Thoracic, Thrombosis									1		
										1	4.0

GENITAL SYSTEM

Epididymis Hyospermia	+	+							26		
										1	3.0
Preputial Gland Degeneration Inflammation, Chronic Active	+	+							26		
										3	3.0
										1	1.0
Prostate	+	+							25		
Seminal Vesicle Inflammation, Chronic	+	+							26		
										1	2.0

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 48

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20310 - 02
 Test Type: 26-39 WEEKS
 Route: GAVAGE
 Species/Strain: MICE/C3B6F1-+/Trp53(tm1Brd)

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 3'-Azido-3'-deoxythymidine (AZT)
 CAS Number: 30516-87-1

Date Report Requested: 07/22/2009
 Time Report Requested: 11:51:06
 First Dose M/F: 11/18/04 / NA
 Lab: NCTR

DAY ON TEST	0	0	3	2	3	9	2	4
C3B6F1-+/TRP53(TM1BRD) NCTR	0	0	0	0	5	6	5	7
MICE MALE	0	0	5	6	5	7	3	5
AZT 120 9 mo M								
								* TOTALS

Testes	+	+							26
Seminiferous Tubule, Degeneration									1 4.0

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+							26
Lymph Node									1
Lymph Node, Mandibular	+	+							26
Hyperplasia, Lymphoid									2 1.5
Lymph Node, Mesenteric	+	+							25
Hematopoietic Cell Proliferation									1 2.0
Hyperplasia, Lymphoid	2	2							14 1.8
Infiltration Cellular, Polymorphonuclear									1 2.0
Spleen	+	A							25
Hematopoietic Cell Proliferation									1 3.0
Hemorrhage									1 2.0
Hyperplasia, Lymphoid									2 1.5
Thymus	+	+							24

INTEGUMENTARY SYSTEM

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

TDMS No. 20310 - 02
 Test Type: 26-39 WEEKS
 Route: GAVAGE
 Species/Strain: MICE/C3B6F1-+/Trp53(tm1Brd)

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 3'-Azido-3'-deoxythymidine (AZT)
 CAS Number: 30516-87-1

Date Report Requested: 07/22/2009
 Time Report Requested: 11:51:06
 First Dose M/F: 11/18/04 / NA
 Lab: NCTR

DAY ON TEST	0	0		
	3	2		
	3	9		
	2	4		
<hr/>				
C3B6F1-+/TRP53(TM1BRD) NCTR	0	0		
MICE MALE	0	0		
	5	6		
ANIMAL ID	5	7		
AZT 120 9 mo M	3	5		
				* TOTALS
Mammary Gland	M	M		2
Skin	+	+		27
Abscess				1 4.0
Hemorrhage				1 4.0
<hr/>				
MUSCULOSKELETAL SYSTEM				
Bone, Femur	+	+		27
Skeletal Muscle	+	+		27
<hr/>				
NERVOUS SYSTEM				
Brain, Brain Stem	+	+		27
Brain, Cerebellum	+	+		27
Hemorrhage				1 1.0
Brain, Cerebrum	+	+		27
<hr/>				
RESPIRATORY SYSTEM				
Lung	+	+		27
Congestion		4		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

Page 50

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20310 - 02
 Test Type: 26-39 WEEKS
 Route: GAVAGE
 Species/Strain: MICE/C3B6F1-+/Trp53(tm1Brd)

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 3'-Azido-3'-deoxythymidine (AZT)
 CAS Number: 30516-87-1

Date Report Requested: 07/22/2009
 Time Report Requested: 11:51:06
 First Dose M/F: 11/18/04 / NA
 Lab: NCTR

DAY ON TEST	0	0		
	3	2		
	3	9		
	2	4		
<hr/>				
C3B6F1-+/TRP53(TM1BRD) NCTR	0	0		
MICE MALE	0	0		
	5	6		
ANIMAL ID	5	7		
AZT 120 9 mo M	3	5		
				* TOTALS
Infiltration Cellular, Polymorphonuclear				1 2.0
Nose	+	+		25
Trachea	+	+		27
<hr/>				
SPECIAL SENSES SYSTEM				
Eye	+	+		25
Harderian Gland	+	+		27
<hr/>				
URINARY SYSTEM				
Kidney	+	+		26
Casts Protein				1 1.0
Infiltration Cellular, Lymphocyte	1			4 1.3
Pelvis, Dilatation				1 1.0
Pelvis, Inflammation, Chronic				1 2.0
Urinary Bladder	+	+		26
Lumen, Dilatation				2 3.5

*** END OF MALE DATA ***

* .. 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 51

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20310 - 02
 Test Type: 26-39 WEEKS
 Route: GAVAGE
 Species/Strain: MICE/C3B6F1-+/Trp53(tm1Brd)

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 3'-Azido-3'-deoxythymidine (AZT)
 CAS Number: 30516-87-1

Date Report Requested: 07/22/2009
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 First Dose M/F: 11/18/04 / NA
 Lab: NCTR

DAY ON TEST	0	0	
	3	2	
	3	9	
	2	4	
.....			
C3B6F1-+/TRP53(TM1BRD) NCTR	0	0	
MICE MALE	0	0	
	5	6	
ANIMAL ID	5	7	
AZT 120 9 mo M	3	5	
			* TOTALS

*** END OF REPORT ***

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked