

TDMS No. 20310 - 01
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: 11:48:12
First Dose M/F: NA / 11/18/04
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 F Include 913 AZT 40 9 mo F Include 914 AZT 80 9 mo F
Include 915 AZT 120 9 mo F

Study Gender: Female

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
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 First Dose M/F: NA / 11/18/04
 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	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
	9	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	3	3	3	3	3	8	
	8	5	5	3	3	7	6	6	5	5	4	4	4	2	8	8	5	5	5	5	5	5	9	4	3
C3B6F1-+/TRP53(TM1BRD) NCTR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MICE FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Vehicle 9 mo F	2	2	2	2	2	3	3	3	3	3	3	3	3	3	4	4	4	4	5	5	5	5	5	5	
ANIMAL ID	0	8	9	9	9	3	5	5	5	5	6	7	7	7	0	1	3	4	1	1	1	2	3	4	
	9	9	0	1	2	3	1	2	3	4	0	6	7	8	0	4	1	6	3	8	9	0	8	0	

females
(cont...)

Lymph Node Lumbar, Hyperplasia, Lymphoid																									+	2
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric Hyperplasia, Lymphoid	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Spleen Hematopoietic Cell Proliferation Hyperplasia, Lymphoid	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Thymus Hyperplasia, Lymphoid	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

MUSCULOSKELETAL SYSTEM

Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
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DAY ON TEST			
	0		
	3		
	3		
	6		
.....			
C3B6F1-+/TRP53(TM1BRD) NCTR	0		
MICE FEMALE	0		
	6		
ANIMAL ID	3		
Vehicle 9 mo F	2		
			* TOTALS

ALIMENTARY SYSTEM

Esophagus	+		26	
Gallbladder	+		25	
Intestine Large, Cecum Hyperplasia, Lymphoid	+		25	2 2.5
Intestine Large, Colon	+		26	
Intestine Large, Rectum	+		25	
Intestine Small, Duodenum	+		26	
Intestine Small, Ileum	+		25	
Intestine Small, Jejunum	+		25	
Liver Tension Lipidosis Vacuolization Cytoplasmic	+		26	3 1.0 6 1.2
Mesentery Hemorrhage			1	1 3.0

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DAY ON TEST			
		0	
		3	
		3	
		6	
.....			
C3B6F1-+/TRP53(TM1BRD) NCTR		0	
MICE FEMALE		0	
		6	
		3	
Vehicle 9 mo F	ANIMAL ID	2	
			* TOTALS
Pancreas	+		26
.....			
Salivary Glands	+		26
Infiltration Cellular, Lymphocyte	2		15 1.2
.....			
Stomach, Forestomach	+		26
.....			
Stomach, Glandular	+		25
.....			
CARDIOVASCULAR SYSTEM			
.....			
Blood Vessel	+		26
.....			
Heart	+		26
Inflammation, Chronic Active			1 1.0
.....			
ENDOCRINE SYSTEM			
.....			
Adrenal Cortex	+		26
Subcapsular, Hyperplasia			25 1.0
.....			
Adrenal Medulla	+		25
.....			
Islets, Pancreatic	+		26
.....			
Parathyroid Gland	+		21

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		0	
		3	
		3	
		6	
.....			
C3B6F1-+/TRP53(TM1BRD) NCTR		0	
MICE FEMALE		0	
		6	
Vehicle 9 mo F	ANIMAL ID	3	
		2	
			* TOTALS

Pituitary Gland	+			26
Thyroid Gland Degeneration	+			25
				1 1.0

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

Clitoral Gland	+			25
Ovary	+			26
Uterus	+			26
Infiltration Cellular, Polymorphonuclear Endometrium, Hyperplasia, Cystic Lumen, Dilatation	1			1 2.0 3 1.3 10 1.2
Vagina	+			25

HEMATOPOIETIC SYSTEM

Bone Marrow	+			26
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	0		
	3		
	3		
	6		
.....			
C3B6F1-+/TRP53(TM1BRD) NCTR	0		
MICE FEMALE	0		
	6		
ANIMAL ID	3		
Vehicle 9 mo F	2		
			* TOTALS

Lymph Node			1	
Lumbar, Hyperplasia, Lymphoid				1 2.0
Lymph Node, Mandibular	+		26	
Lymph Node, Mesenteric	+		26	
Hyperplasia, Lymphoid				8 1.4
Spleen	+		26	
Hematopoietic Cell Proliferation				5 2.8
Hyperplasia, Lymphoid				4 2.0
Thymus	+		24	
Hyperplasia, Lymphoid	2			3 2.0

INTEGUMENTARY SYSTEM

Mammary Gland	+		25	
Skin	+		26	

MUSCULOSKELETAL SYSTEM

Bone, Femur	+		26	
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DAY ON TEST	0	3	3	6	
C3B6F1-+/TRP53(TM1BRD) NCTR	0				
MICE FEMALE	0				
Vehicle 9 mo F	6				
ANIMAL ID	3				
	2				* TOTALS

Skeletal Muscle	+				26	
Atrophy						2 2.0
Cyst						1 4.0

NERVOUS SYSTEM

Brain, Brain Stem	+				26	
Brain, Cerebellum	+				26	
Brain, Cerebrum	+				26	
Peripheral Nerve					2	
Axon, Degeneration						2 2.5
Spinal Cord					1	
Axon, Degeneration						1 2.0

RESPIRATORY SYSTEM

Lung	+				26	
Nose	+				26	
Trachea	+				26	

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		0	
		3	
		3	
		6	
.....			
C3B6F1-+/TRP53(TM1BRD) NCTR		0	
MICE FEMALE		0	
		6	
	ANIMAL ID	3	
Vehicle 9 mo F		2	
			* TOTALS

SPECIAL SENSES SYSTEM

Eye	+		25	
Cataract				1 1.0
Harderian Gland	+		26	

URINARY SYSTEM

Kidney	+		26	
Casts Protein				1 1.0
Cyst				1 1.0
Infiltration Cellular, Lymphocyte	1			9 1.1
Mineralization				1 1.0
Urinary Bladder	+		26	
Infiltration Cellular, Lymphocyte				1 1.0

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 First Dose M/F: NA / 11/18/04
 Lab: NCTR

DAY ON TEST	0	3	2	6
	0	0	0	0
	0	0	5	6
C3B6F1-+/TRP53(TM1BRD) NCTR MICE FEMALE	0	0	5	6
ANIMAL ID	5	7	0	3
AZT 40 9 mo F				
				* TOTALS

ALIMENTARY SYSTEM

Esophagus Adventitia, Necrosis	+	+			27	1	2.0
Gallbladder	+	+			26		
Intestine Large, Cecum Hyperplasia, Lymphoid	+	+			27	2	2.0
Intestine Large, Colon	+	+			26		
Intestine Large, Rectum Hyperplasia, Lymphoid	+	+			27	1	2.0
Intestine Small, Duodenum	+	+			27		
Intestine Small, Ileum	+	+			27		
Intestine Small, Jejunum	+	+			27		
Liver Inflammation, Chronic Active	+	+			27	2	1.0
Tension Lipidosis			2			5	1.6
Vacuolization Cytoplasmic						4	1.0

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DAY ON TEST	0	0		
	3	3		
	3	2		
	5	6		
<hr/>				
C3B6F1-+/TRP53(TM1BRD) NCTR	0	0		
MICE FEMALE	0	0		
	5	6		
ANIMAL ID	5	7		
AZT 40 9 mo F	0	3		
				* TOTALS
Pancreas	+	+		27
Salivary Glands	+	+		27
Infiltration Cellular, Lymphocyte		1		14 1.1
Stomach, Forestomach	+	+		27
Stomach, Glandular	+	+		27

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+		27
Heart	+	+		27
Bacterium				1
Pericardium, Necrosis				1 2.0

ENDOCRINE SYSTEM

Adrenal Cortex	+	+		27
Subcapsular, Hyperplasia	1	1		25 1.2
Adrenal Medulla	+	+		27
Islets, Pancreatic	+	+		27

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	3	3		
	3	2		
	5	6		
.....				
C3B6F1-+/TRP53(TM1BRD) NCTR MICE FEMALE	0	0		
	0	0		
	5	6		
AZT 40 9 mo F	5	7		
	0	3		
				* TOTALS
Parathyroid Gland	+	+		22
Cyst				1 1.0
.....				
Pituitary Gland	+	+		27
.....				
Thyroid Gland	+	+		27
Cyst				1 1.0
Degeneration				2 1.0
Ectopic Thymus				2

GENERAL BODY SYSTEM

Tissue NOS				1
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GENITAL SYSTEM

Clitoral Gland	+	+		26
.....				
Ovary	+	+		27
Cyst		1		1 1.0
.....				
Uterus	+	+		27
Infiltration Cellular, Polymorphonuclear				3 2.3
Endometrium, Hyperplasia, Cystic				4 2.0
Lumen, Dilatation		1		12 1.3
.....				
Vagina	+	+		27

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	0	0	0	0
	0	0	0	0
	5	6	5	7
	0	3		
C3B6F1-+/TRP53(TM1BRD) NCTR MICE FEMALE				
AZT 40 9 mo F				
				* TOTALS

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+				26
Lymph Node						1
Lymph Node, Mandibular	+	+				27
Lymph Node, Mesenteric Hyperplasia, Lymphoid	+	+				26 6 1.8
Spleen Hematopoietic Cell Proliferation Hyperplasia, Lymphoid	+	+				26 4 2.0 5 2.2
Thymus Bacterium Foreign Body Hyperplasia, Lymphoid Necrosis	+	+				26 1 1 2 2.0 1 4.0

INTEGUMENTARY SYSTEM

Mammary Gland Alveolus, Hyperplasia	+	+				26 1 2.0
--	---	---	--	--	--	-------------

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	0	0	0	0	
	3	3	2	6	
	3	2			
	5	6			
C3B6F1-+/TRP53(TM1BRD) NCTR MICE FEMALE	0	0			
	0	0			
	5	6			
AZT 40 9 mo F	5	7			
	0	3			
					* TOTALS

Skin	+	+			27
------	---	---	--	--	-----------

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

Brain, Brain Stem Gliosis	+	+			27	1 3.0
Brain, Cerebellum	+	+			27	
Brain, Cerebrum Infiltration Cellular, Lymphocyte Mineralization	+	+			27	1 1.0 1 1.0

RESPIRATORY SYSTEM

Lung Bacterium	+	+			27	1
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DAY ON TEST	0	0		
	3	3		
	3	2		
	5	6		
<hr/>				
C3B6F1-+/TRP53(TM1BRD) NCTR	0	0		
MICE FEMALE	0	0		
	5	6		
ANIMAL ID	5	7		
AZT 40 9 mo F	0	3		
				* TOTALS
Mediastinum, Foreign Body				1
Mediastinum, Necrosis				1 3.0
<hr/>				
Nose	+	+		27
<hr/>				
Trachea	+	+		27
<hr/>				
SPECIAL SENSES SYSTEM				
<hr/>				
Eye	+	+		25
<hr/>				
Harderian Gland	+	+		27
<hr/>				
URINARY SYSTEM				
<hr/>				
Kidney	+	+		27
Casts Protein				1 1.0
Infiltration Cellular, Lymphocyte				6 1.2
Metaplasia, Osseous				1 1.0
<hr/>				
Urinary Bladder	+	+		27
Infiltration Cellular, Lymphocyte		1		4 1.0

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 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: 11:48:12
 First Dose M/F: NA / 11/18/04
 Lab: NCTR

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

ALIMENTARY SYSTEM

Esophagus	+	+							27	
Gallbladder	+	+							27	
Intestine Large, Cecum	+	+							25	
Hyperplasia, Lymphoid										3 2.0
Epithelium, Hyperplasia										1 2.0
Intestine Large, Colon	+	+							27	
Intestine Large, Rectum	+	+							27	
Hyperplasia, Lymphoid										1 3.0
Intestine Small, Duodenum	+	+							25	
Intestine Small, Ileum	+	+							25	
Intestine Small, Jejunum	+	+							25	
Liver	+	+							27	
Hematopoietic Cell Proliferation										1 1.0
Inflammation, Chronic Active										1 1.0
Necrosis										1 1.0
Tension Lipidosis										7 1.1
Vacuolization Cytoplasmic										3 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

Page 32

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20310 - 01
 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: 11:48:12
 First Dose M/F: NA / 11/18/04
 Lab: NCTR

DAY ON TEST	0	0	3	3	3	1	5	2	
C3B6F1-+/TRP53(TM1BRD) NCTR	0	0	0	0	5	6	3	0	
MICE FEMALE	0	0	0	0	5	6	3	0	
AZT 80 9 mo F	0	0	0	0	5	6	3	9	
									* TOTALS

Mesentery									1
Fat, Necrosis									1 3.0
Pancreas	+	+							27
Infiltration Cellular, Lymphocyte									1 1.0
Acinar Cell, Degeneration									1 1.0
Salivary Glands	+	M							26
Infiltration Cellular, Lymphocyte	2								10 1.3
Stomach, Forestomach	+	+							27
Stomach, Glandular	+	+							25

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+							27
Heart	+	+							27
Congestion									2 2.5
Inflammation, Chronic Active									1 1.0

ENDOCRINE SYSTEM

Adrenal Cortex	+	+							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
 Page 33

TDMS No. 20310 - 01
 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: 11:48:12
 First Dose M/F: NA / 11/18/04
 Lab: NCTR

DAY ON TEST	0	0	
	3	3	
	3	1	
	5	2	
.....			
C3B6F1-+/TRP53(TM1BRD) NCTR	0	0	
MICE FEMALE	0	0	
	5	6	
ANIMAL ID	3	0	
AZT 80 9 mo F	3	9	
			* TOTALS
Subcapsular, Hyperplasia	1	1	27 1.2
Adrenal Medulla	+	+	27
Islets, Pancreatic	+	+	27
Parathyroid Gland	+	+	22
Pituitary Gland	+	+	27
Thyroid Gland	+	+	27

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

Clitoral Gland	+	+	26
Ovary	+	+	27
Cyst			1 2.0
Bilateral, Cyst			1 2.0
Uterus	+	+	27
Infiltration Cellular, Polymorphonuclear			3 2.0
Endometrium, Hyperplasia, Cystic			5 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. 20310 - 01
 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: 11:48:12
 First Dose M/F: NA / 11/18/04
 Lab: NCTR

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

Lumen, Dilatation **14 1.6**

Vagina **27**

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+							26	
Myeloid Cell, Hyperplasia							4	2.5		
Lymph Node							0			
Lymph Node, Mandibular	+	M							25	
Hyperplasia, Lymphoid							2	2.5		
Lymph Node, Mesenteric	+	+							26	
Hyperplasia, Lymphoid							6	1.3		
Spleen	+	+							27	
Hematopoietic Cell Proliferation		4							5	3.0
Hyperplasia, Lymphoid							7	2.4		
Thymus	+	M							23	
Hyperplasia, Lymphoid							3	2.0		

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

Page 35

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20310 - 01
 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: 11:48:12
 First Dose M/F: NA / 11/18/04
 Lab: NCTR

DAY ON TEST	0	0	
	3	3	
	3	1	
	5	2	
.....			
C3B6F1-+/TRP53(TM1BRD) NCTR MICE FEMALE	0	0	
	0	0	
	5	6	
ANIMAL ID	3	0	
AZT 80 9 mo F	3	9	
			* TOTALS
Mammary Gland	+	+	27
		
Skin	+	+	27
.....			
MUSCULOSKELETAL SYSTEM			
		
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	+	+	26
		
Nose	+	+	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 - 01
 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: 11:48:12
 First Dose M/F: NA / 11/18/04
 Lab: NCTR

DAY ON TEST	0	0		
	3	3		
	3	1		
	5	2		
<hr/>				
C3B6F1-+/TRP53(TM1BRD) NCTR	0	0		
MICE FEMALE	0	0		
	5	6		
ANIMAL ID	3	0		
AZT 80 9 mo F	3	9		
				* TOTALS
Trachea	+	+		26
<hr/>				
SPECIAL SENSES SYSTEM				
Eye	+	+		26
Harderian Gland	+	+		27
<hr/>				
URINARY SYSTEM				
Kidney	+	+		27
Casts Protein		1		3 1.0
Hydronephrosis				1 4.0
Infiltration Cellular, Lymphocyte	1			5 1.0
Inflammation, Suppurative				1 4.0
Nephropathy				1 4.0
Ureter				1
Inflammation, Suppurative				1 3.0
Lumen, Dilatation				1 2.0
Urinary Bladder	+	+		27
Infiltration Cellular, Lymphocyte				2 1.0

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20310 - 01
 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: 11:48:12
 First Dose M/F: NA / 11/18/04
 Lab: NCTR

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

ALIMENTARY SYSTEM

Esophagus	+	+	27
Gallbladder	+	A	25
Intestine Large, Cecum Hyperplasia, Lymphoid	+	A	24 2 2.0
Intestine Large, Colon	+	A	25
Intestine Large, Rectum	+	A	25
Intestine Small, Duodenum	+	A	25
Intestine Small, Ileum	+	A	25
Intestine Small, Jejunum	+	A	25
Liver	+	+	27
Basophilic Focus			1 2.0
Infiltration Cellular, Lymphocyte			1 1.0
Tension Lipidosis	1		4 1.0
Vacuolization Cytoplasmic			10 1.0
Mesentery			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 45

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20310 - 01
 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: 11:48:12
 First Dose M/F: NA / 11/18/04
 Lab: NCTR

DAY ON TEST				
	0	0		
	3	2		
	3	9		
	2	2		
<hr/>				
C3B6F1-+/TRP53(TM1BRD) NCTR	0	0		
MICE FEMALE	0	0		
	5	6		
ANIMAL ID	5	7		
AZT 120 9 mo F	5	4		
				* TOTALS
Hemorrhage				1 3.0
Fat, Necrosis				1 4.0
<hr/>				
Pancreas	+	A	26	
Cytoplasmic Alteration	1			1 1.0
Infiltration Cellular, Lymphocyte				3 1.0
Acinar Cell, Degeneration				1 2.0
<hr/>				
Salivary Glands	+	+	27	
Infiltration Cellular, Lymphocyte	1			10 1.0
<hr/>				
Stomach, Forestomach	+	+	27	
<hr/>				
Stomach, Glandular	+	A	25	
<hr/>				
CARDIOVASCULAR SYSTEM				
<hr/>				
Blood Vessel	+	+	27	
<hr/>				
Heart	+	A	26	
Inflammation, Chronic Active				1 4.0
<hr/>				
ENDOCRINE SYSTEM				
<hr/>				
Adrenal Cortex	+	+	26	
Subcapsular, Hyperplasia	1	2		24 1.2
<hr/>				

* .. 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 - 01
 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: 11:48:12
 First Dose M/F: NA / 11/18/04
 Lab: NCTR

DAY ON TEST			
	0	0	
	3	2	
	3	9	
	2	2	
.....			
C3B6F1-+/TRP53(TM1BRD) NCTR	0	0	
MICE FEMALE	0	0	
	5	6	
ANIMAL ID	5	7	
AZT 120 9 mo F	5	4	
			* TOTALS
Adrenal Medulla	+	+	26
Islets, Pancreatic	+	+	27
Parathyroid Gland	+	+	22
Pituitary Gland	+	+	27
Thyroid Gland	+	+	26
Ectopic Thymus			1

GENERAL BODY SYSTEM

Tissue NOS			1
Mediastinum, Abscess			1 4.0
Mediastinum, Foreign Body			1

GENITAL SYSTEM

Clitoral Gland	+	+	27
Degeneration			1 3.0
Ovary	+	+	26
Cyst			1 2.0
Pigmentation			1 2.0

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20310 - 01
 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: 11:48:12
 First Dose M/F: NA / 11/18/04
 Lab: NCTR

DAY ON TEST	0	0		
	3	2		
	3	9		
	2	2		
.....				
C3B6F1-+/TRP53(TM1BRD) NCTR	0	0		
MICE FEMALE	0	0		
	5	6		
ANIMAL ID	5	7		
AZT 120 9 mo F	5	4		
				* TOTALS
Uterus	+	+		27
Edema				1 3.0
Infiltration Cellular, Polymorphonuclear				3 2.0
Endometrium, Hyperplasia, Cystic	1			5 1.6
Lumen, Dilatation				8 1.3
.....				
Vagina	+	A		24

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+		26	
Myeloid Cell, Hyperplasia					1 2.0
.....					
Lymph Node		+		3	
Lumbar, Hyperplasia, Lymphoid					1 2.0
.....					
Lymph Node, Mandibular	+	A		26	
.....					
Lymph Node, Mesenteric	+	+		27	
Hyperplasia, Lymphoid					6 1.7
.....					
Spleen	+	+		27	
Hematopoietic Cell Proliferation					8 3.0
Hyperplasia, Lymphoid					6 1.8
.....					
Thymus	+	+		27	
Hyperplasia, Lymphoid					2 2.0
Inflammation, Chronic Active					1 3.0

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

TDMS No. 20310 - 01
 Test Type: 26-39 WEEKS
 Route: GAVAGE
 Species/Strain: MICE/C3B6F1-+/Trp53(tm1Brd)

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Date Report Requested: 07/22/2009
 Time Report Requested: 11:48:12
 First Dose M/F: NA / 11/18/04
 Lab: NCTR

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

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	27
Skin	+	+	27

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

Brain, Brain Stem	+	+	27
Brain, Cerebellum	+	+	27
Brain, Cerebrum	+	+	27
Compression			1 2.0
Mineralization			2 1.0

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 49

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20310 - 01
 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)
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Date Report Requested: 07/22/2009
 Time Report Requested: 11:48:12
 First Dose M/F: NA / 11/18/04
 Lab: NCTR

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

RESPIRATORY SYSTEM

Lung	+	+							27	
Abscess			4							1 4.0
Foreign Body										1
Inflammation, Chronic Active										1 3.0
Necrosis										1 2.0
<hr/>										
Nose	+	+								27
<hr/>										
Trachea	+	+								27

SPECIAL SENSES SYSTEM

Eye	+	A								24
<hr/>										
Harderian Gland	+	A								25

URINARY SYSTEM

Kidney	+	+								27
Casts Protein										2 1.0
Cyst										1 1.0
Glomerulosclerosis			3							1 3.0
Infiltration Cellular, Lymphocyte										4 1.0
Nephropathy			3							1 3.0

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 50

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20310 - 01
 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: 11:48:12
 First Dose M/F: NA / 11/18/04
 Lab: NCTR

DAY ON TEST		0	0	
		3	2	
		3	9	
		2	2	
.....				
C3B6F1-+/TRP53(TM1BRD) NCTR MICE FEMALE		0	0	
		0	0	
		5	6	
	ANIMAL ID	5	7	
AZT 120 9 mo F		5	4	* TOTALS
.....				
Urinary Bladder		+	+	26
Infiltration Cellular, Lymphocyte				1 1.0

*** END OF REPORT ***

* .. 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