

**TDMS No.** 20310 - 02

**P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS  
ABRIDGED) (a)**

**Date Report Requested:** 06/30/2009

**Test Type:** 26-39 WEEKS

3'-Azido-3'-deoxythymidine (AIDS)

**Time Report Requested:** 11:50:48

**Route:** GAVAGE

**CAS Number:** 30516-87-1

**First Dose M/F:** 11/18/04 / NA

**Species/Strain:** MICE/C3B6F1-+/Trp53(tm1Brd)

**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 ALL  
**Study Gender:** Male  
**TDMSE Version:** 2.1.0

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Species/Strain: MICE/C3B6F1-+/Trp53(tm1Brd)

Lab: NCTR

C3B6F1-+/Trp53(tm1Brd) NCTR MICE MALE	Vehicle 6 mo M	AZT 120 6 mo M	Vehicle 9 mo M	AZT 40 9 mo M	AZT 80 9 mo M	AZT 120 9 mo M
<b>Disposition Summary</b>						
Animals Initially in Study	27	26	27	27	27	27
Early Deaths						
Moribund Sacrifice		3	1	1		1
Natural Death			1	2		1
Survivors						
Moribund Sacrifice		1	1	3		1
Natural Death		1				2
Terminal Sacrifice	27	21	24	21	27	22
Animals Examined Microscopically	27	26	27	27	27	27

## ALIMENTARY SYSTEM

Esophagus	(23)	(23)	(27)	(26)	(27)	(27)
Gallbladder	(26)	(26)	(26)	(25)	(27)	(25)
Intestine Large, Cecum	(27)	(26)	(26)	(26)	(27)	(25)
Intestine Large, Colon	(27)	(26)	(26)	(26)	(27)	(25)
Intestine Large, Rectum	(27)	(26)	(26)	(26)	(27)	(26)
Intestine Small, Duodenum	(27)	(26)	(26)	(25)	(27)	(25)
Intestine Small, Jejunum	(27)	(26)	(26)	(25)	(27)	(25)
Liver	(27)	(26)	(26)	(27)	(27)	(27)
Carcinoma, Metastatic, Pancreas						
Hepatocellular Adenoma	1 (4%)	1 (4%)	3 (12%)	2 (7%)	6 (22%)	9 (33%)
Hepatocellular Carcinoma				1 (4%)		
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach				1 (4%)		
Mesentery	(0)	(0)	(0)	(2)	(1)	(0)
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach				1 (50%)		
Pancreas	(27)	(26)	(27)	(27)	(27)	(27)
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach				1 (4%)		
Acinar Cell, Carcinoma						
Salivary Glands	(27)	(26)	(27)	(26)	(27)	(27)
Stomach, Forestomach	(27)	(26)	(26)	(26)	(27)	(27)
Squamous Cell Carcinoma				1 (4%)		
Stomach, Glandular	(27)	(26)	(26)	(26)	(27)	(25)

a - Number of animals examined microscopically at site and number of animals with lesion

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3'-Azido-3'-deoxythymidine (AIDS)

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Route: GAVAGE

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Species/Strain: MICE/C3B6F1-+/Trp53(tm1Brd)

Lab: NCTR

C3B6F1-+/Trp53(tm1Brd) NCTR MICE MALE	Vehicle 6 mo M	AZT 120 6 mo M	Vehicle 9 mo M	AZT 40 9 mo M	AZT 80 9 mo M	AZT 120 9 mo M
Adenocarcinoma				1 (4%)		
<b>CARDIOVASCULAR SYSTEM</b>						
Blood Vessel	(26)	(25)	(27)	(27)	(27)	(27)
Heart	(27)	(26)	(27)	(27)	(27)	(27)
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(27)	(26)	(27)	(27)	(27)	(27)
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach				1 (4%)		
Adrenal Medulla	(26)	(24)	(25)	(26)	(24)	(26)
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach				1 (4%)		
Islets, Pancreatic	(27)	(26)	(27)	(27)	(27)	(27)
Parathyroid Gland	(22)	(23)	(16)	(20)	(21)	(22)
Pituitary Gland	(27)	(25)	(25)	(27)	(27)	(27)
Thyroid Gland	(26)	(26)	(26)	(27)	(27)	(26)
<b>GENERAL BODY SYSTEM</b>						
Tissue NOS	(0)	(0)	(2)	(1)	(0)	(1)
Sarcoma			1 (50%)			
Sarcoma, Metastatic, Skin						
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach				1 (100%)		
<b>GENITAL SYSTEM</b>						
Coagulating Gland	(0)	(0)	(0)	(1)	(0)	(0)
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach				1 (100%)		
Epididymis	(27)	(26)	(27)	(27)	(27)	(26)
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach				1 (4%)		
Preputial Gland	(27)	(26)	(27)	(26)	(27)	(26)
Prostate	(27)	(26)	(27)	(27)	(27)	(25)

a - Number of animals examined microscopically at site and number of animals with lesion

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Lab: NCTR

C3B6F1-+/Trp53(tm1Brd) NCTR MICE MALE	Vehicle 6 mo M	AZT 120 6 mo M	Vehicle 9 mo M	AZT 40 9 mo M	AZT 80 9 mo M	AZT 120 9 mo M
Seminal Vesicle	(27)	(26)	(26)	(27)	(27)	(26)
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach				1 (4%)		
Testes	(27)	(26)	(27)	(26)	(27)	(26)
<b>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow	(27)	(26)	(27)	(26)	(27)	(26)
Lymph Node	(0)	(1)	(0)	(1)	(0)	(1)
Lymph Node, Mandibular	(26)	(26)	(27)	(25)	(27)	(26)
Lymph Node, Mesenteric	(27)	(25)	(26)	(23)	(26)	(25)
Spleen	(27)	(26)	(26)	(25)	(27)	(25)
Thymus	(26)	(26)	(27)	(24)	(27)	(24)
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach				1 (4%)		
<b>INTEGUMENTARY SYSTEM</b>						
Skin	(27)	(26)	(27)	(27)	(27)	(27)
Subcutaneous Tissue, Fibrosarcoma						1 (4%)
Subcutaneous Tissue, Sarcoma						
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone	(0)	(0)	(1)	(0)	(0)	(0)
Humerus, Osteosarcoma			1 (100%)			
Bone, Femur	(27)	(26)	(27)	(27)	(27)	(27)
Osteosarcoma		1 (4%)	1 (4%)			
Skeletal Muscle	(27)	(26)	(27)	(27)	(27)	(27)
Diaphragm, Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach				1 (4%)		
<b>NERVOUS SYSTEM</b>						
Brain, Brain Stem	(27)	(26)	(27)	(27)	(27)	(27)
Astrocytoma Malignant, Metastatic, Brain, Cerebrum		1 (4%)				
Brain, Cerebellum	(27)	(26)	(27)	(27)	(27)	(27)

a - Number of animals examined microscopically at site and number of animals with lesion

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Lab: NCTR

C3B6F1-+/Trp53(tm1Brd) NCTR MICE MALE	Vehicle 6 mo M	AZT 120 6 mo M	Vehicle 9 mo M	AZT 40 9 mo M	AZT 80 9 mo M	AZT 120 9 mo M
Astrocytoma Malignant, Metastatic, Brain, Cerebrum	(27)	1 (4%) (26)	(27)	(27)	(27)	(27)
Astrocytoma Malignant Olfactory Lobe, Neuroblastoma		1 (4%) 1 (4%)		1 (4%)		1 (4%)
<b>RESPIRATORY SYSTEM</b>						
Lung	(27)	(26)	(27)	(27)	(27)	(27)
Alveolar/Bronchiolar Adenoma				1 (4%)		
Alveolar/Bronchiolar Carcinoma						
Osteosarcoma, Metastatic, Bone, Femur			1 (4%)			
Nose	(27)	(26)	(27)	(27)	(27)	(25)
Neuroblastoma, Metastatic, Brain, Cerebrum		1 (4%)		1 (4%)		1 (4%)
<b>SPECIAL SENSES SYSTEM</b>						
Eye	(27)	(26)	(26)	(26)	(27)	(25)
Harderian Gland Adenoma	(27)	(26)	(27) 1 (4%)	(27)	(27)	(27)
<b>URINARY SYSTEM</b>						
Kidney	(27)	(26)	(26)	(27)	(27)	(26)
Urinary Bladder	(27)	(26)	(27)	(27)	(27)	(26)
<b>SYSTEMIC LESIONS</b>						
Multiple Organs	*(27)	*(26)	*(27)	*(27)	*(27)	*(27)
Lymphoma Malignant		3 (12%)	1 (4%)	2 (7%)	1 (4%)	1 (4%)

a - Number of animals examined microscopically at site and number of animals with lesion

\* Number of animals with any tissue examined microscopically

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Species/Strain: MICE/C3B6F1-+/Trp53(tm1Brd)

Lab: NCTR

C3B6F1-+/Trp53(tm1Brd) NCTR MICE MALE	Vehicle PND 1-8 M	AZT 40 PND 1-8 M
<b>Disposition Summary</b>		
Animals Initially in Study	24	25
Early Deaths		
Moribund Sacrifice		
Natural Death		1
Survivors		
Moribund Sacrifice	1	2
Natural Death		
Terminal Sacrifice	23	22
Animals Examined Microscopically	24	25

## ALIMENTARY SYSTEM

Esophagus	(24)	(25)
Gallbladder	(24)	(24)
Intestine Large, Cecum	(24)	(24)
Intestine Large, Colon	(24)	(24)
Intestine Large, Rectum	(24)	(24)
Intestine Small, Duodenum	(24)	(24)
Intestine Small, Jejunum	(24)	(24)
Liver	(24)	(25)
Carcinoma, Metastatic, Pancreas	1 (4%)	
Hepatocellular Adenoma	3 (13%)	5 (20%)
Hepatocellular Carcinoma		2 (8%)
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach		
Mesentery	(0)	(0)
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach		
Pancreas	(23)	(25)
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach		
Acinar Cell, Carcinoma	1 (4%)	
Salivary Glands	(24)	(25)
Stomach, Forestomach	(24)	(25)
Squamous Cell Carcinoma		
Stomach, Glandular	(24)	(24)

a - Number of animals examined microscopically at site and number of animals with lesion

\* Number of animals with any tissue examined microscopically

Test Type: 26-39 WEEKS

3'-Azido-3'-deoxythymidine (AZD)

Time Report Requested: 11:50:48

Route: GAVAGE

CAS Number: 30516-87-1

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

Species/Strain: MICE/C3B6F1-+/Trp53(tm1Brd)

Lab: NCTR

C3B6F1-+/Trp53(tm1Brd) NCTR MICE MALE	Vehicle PND 1-8 M	AZT 40 PND 1-8 M
Adenocarcinoma		
<b>CARDIOVASCULAR SYSTEM</b>		
Blood Vessel	(24)	(24)
Heart	(24)	(25)
<b>ENDOCRINE SYSTEM</b>		
Adrenal Cortex	(24)	(25)
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach		
Adrenal Medulla	(24)	(25)
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach		
Islets, Pancreatic	(23)	(25)
Parathyroid Gland	(24)	(24)
Pituitary Gland	(24)	(25)
Thyroid Gland	(24)	(24)
<b>GENERAL BODY SYSTEM</b>		
Tissue NOS	(0)	(1)
Sarcoma		
Sarcoma, Metastatic, Skin		1 (100%)
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach		
<b>GENITAL SYSTEM</b>		
Coagulating Gland	(0)	(0)
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach		
Epididymis	(24)	(24)
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach		
Preputial Gland	(24)	(24)
Prostate	(24)	(25)

a - Number of animals examined microscopically at site and number of animals with lesion

\* Number of animals with any tissue examined microscopically

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Lab: NCTR

C3B6F1-+/Trp53(tm1Brd) NCTR MICE MALE	Vehicle PND 1-8 M	AZT 40 PND 1-8 M
Seminal Vesicle	(24)	(25)
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach		
Testes	(24)	(24)
<b>HEMATOPOIETIC SYSTEM</b>		
Bone Marrow	(24)	(25)
Lymph Node	(0)	(0)
Lymph Node, Mandibular	(24)	(25)
Lymph Node, Mesenteric	(24)	(24)
Spleen	(24)	(24)
Thymus	(23)	(22)
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach		
<b>INTEGUMENTARY SYSTEM</b>		
Skin	(24)	(25)
Subcutaneous Tissue, Fibrosarcoma		
Subcutaneous Tissue, Sarcoma		1 (4%)
<b>MUSCULOSKELETAL SYSTEM</b>		
Bone	(0)	(0)
Humerus, Osteosarcoma		
Bone, Femur	(24)	(25)
Osteosarcoma		
Skeletal Muscle	(24)	(25)
Diaphragm, Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach		
<b>NERVOUS SYSTEM</b>		
Brain, Brain Stem	(24)	(25)
Astrocytoma Malignant, Metastatic, Brain, Cerebrum		
Brain, Cerebellum	(24)	(25)

a - Number of animals examined microscopically at site and number of animals with lesion

\* Number of animals with any tissue examined microscopically



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Lab: NCTR

C3B6F1-+/Trp53(tm1Brd) NCTR MICE MALE	Vehicle PND 1-8 M	AZT 40 PND 1-8 M
Astrocytoma Malignant, Metastatic, Brain, Cerebrum Brain, Cerebrum Astrocytoma Malignant Olfactory Lobe, Neuroblastoma	(24)	(25)
<b>RESPIRATORY SYSTEM</b>		
Lung Alveolar/Bronchiolar Adenoma Alveolar/Bronchiolar Carcinoma Osteosarcoma, Metastatic, Bone, Femur	(24) 2 (8%)	(25)
Nose Neuroblastoma, Metastatic, Brain, Cerebrum	(24)	(25)
<b>SPECIAL SENSES SYSTEM</b>		
Eye Harderian Gland Adenoma	(24) (24) 1 (4%)	(24) (25)
<b>URINARY SYSTEM</b>		
Kidney Urinary Bladder	(24) (24)	(25) (24)
<b>SYSTEMIC LESIONS</b>		
Multiple Organs Lymphoma Malignant	*(24)	*(25) 2 (8%)

a - Number of animals examined microscopically at site and number of animals with lesion

\* Number of animals with any tissue examined microscopically

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3'-Azido-3'-deoxythymidine (AZD)

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Lab: NCTR

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C3B6F1-+/Trp53(tm1Brd) NCTR MICE MALE	Vehicle 6 mo M	AZT 120 6 mo M	Vehicle 9 mo M	AZT 40 9 mo M	AZT 80 9 mo M	AZT 120 9 mo M
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**Tumor Summary for Males**

<b>Total Animals with Primary Neoplasms (b)</b>	1	7	8	7	7	12
<b>Total Primary Neoplasms</b>	1	7	8	9	7	12
<b>Total Animals with Benign Neoplasms</b>	1	1	4	2	6	9
<b>Total Benign Neoplasms</b>	1	1	4	2	6	9
<b>Total Animals with Malignant Neoplasms</b>		6	4	6	1	3
<b>Total Malignant Neoplasms</b>		6	4	7	1	3
<b>Total Animals with Metastatic Neoplasms</b>		2	1	2		1
<b>Total Metastatic Neoplasms</b>		3	1	12		1
<b>Total Animals with Malignant Neoplasms Uncertain Primary Site</b>						
<b>Total Animals with Neoplasms Uncertain-Benign or Malignant</b>						
<b>Total Uncertain Neoplasms</b>						

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a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

Test Type: 26-39 WEEKS

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Lab: NCTR

C3B6F1-+/Trp53(tm1Brd) NCTR MICE MALE	Vehicl PND 1-8 M	AZT 40 PND 1-8 M
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**Tumor Summary for Males**

<b>Total Animals with Primary Neoplasms (b)</b>	7	10
<b>Total Primary Neoplasms</b>	7	10
 <b>Total Animals with Benign Neoplasms</b>	 6	 5
<b>Total Benign Neoplasms</b>	6	5
 <b>Total Animals with Malignant Neoplasms</b>	 1	 5
<b>Total Malignant Neoplasms</b>	1	5
 <b>Total Animals with Metastatic Neoplasms</b>	 1	 1
<b>Total Metastatic Neoplasms</b>	1	1
 <b>Total Animals with Malignant Neoplasms Uncertain Primary Site</b>		
 <b>Total Animals with Neoplasms Uncertain-Benign or Malignant</b>		
<b>Total Uncertain Neoplasms</b>		

\*\*\* END OF MALE \*\*\*

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

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors