

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

F1_M3

C Number: C20107
Lock Date: 02/26/2008
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.3.0
PWG Approval Date: NONE

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 Lab: BAT

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603621

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Bone		Fibrosis	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
	[Hepatocellular Adenoma TGLs = 2,3 - 11+12]		
	[Hepatocellular Carcinoma TGLs = 1 - 10]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Mild
		Ulcer	Minimal
	[Hyperplasia TGLs = 4 - 13]		
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

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 Lab: BAT

ANIMAL ID: 2

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603622

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|----------------------|--|----------------------------------|-------------------------|
| * Bone Marrow | | Hyperplasia | Minimal |
| * Heart | | Cardiomyopathy | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Moderate |
| * Liver | | Hematopoietic Cell Proliferation | Mild |
| | | Hepatocellular Adenoma | Multiple |
| | | Inflammation | Chronic Active, Minimal |
| | [Hepatocellular Adenoma TGLs = 3,4 - 11] | | |
| * Nose | Olfactory Epi | Accumulation, Hyaline Droplet | Minimal |
| | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Glands, Respirat Epith | Dilatation | Minimal |
| | Glands, Olfactory Epi | Dilatation | Minimal |
| | Glands, Olfactory Epi | Hyperplasia | Minimal |
| | Glands, Respirat Epith | Hyperplasia | Minimal |
| | Respirat Epith | Hyperplasia | Minimal |
| | | Inflammation | Minimal |
| | Glands, Respirat Epith | Metaplasia | Respiratory, Minimal |

* PROTOCOL REQUIRED TISSUE

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Lab: BAT

ANIMAL ID: 2

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603622

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Seminal Vesicle		Inflammation	Marked
Note: Seminal vesicle and body wall are involved in a large abscess.			
	[Inflammation TGLs = 1 - 10]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
	[Hematopoietic Cell Proliferation TGLs = 2 - 4]		
Tooth		Dysplasia	

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First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 3

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 0603623

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Stomach, Glandular |
| * Testes | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

- * Mammary Gland

AUTO PRECLUDES DIAG.

- * Spleen

OBSERVATIONS

- | | | | |
|---|----------------|-------------------------------|----------|
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Mixed Cell Focus | |
| Note: TGL 1=NCL (No Corresponding Lesion) | | | |
| [Eosinophilic Focus TGLs = 4 - 12] | | | |
| [Hepatocellular Adenoma TGLs = 2,3 - 11+12] | | | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Mild |
| | Respirat Epith | Hyperplasia | Mild |
| * Stomach, Forestomach | | Inflammation | Minimal |
| | | Ulcer | Minimal |
| * Thymus | | Atrophy | Marked |
| Tooth | | Dysplasia | |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

* PROTOCOL REQUIRED TISSUE

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 Lab: BAT

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603624

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Testes | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|---|----------------|--|----------------|
| * Kidney | | Nephropathy | Mild |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Mixed Cell Focus | |
| Note: Both TGLs 4 and 5 represent two lesions each. | | | |
| | | [Eosinophilic Focus TGLs = 4 - 4] | |
| | | [Hepatocellular Adenoma TGLs = 2,3,4 - 4+5+10] | |
| | | [Mixed Cell Focus TGLs = 5,6 - 3+11] | |
| * Nose | Respirat Epith | Hyperplasia | Minimal |
| * Preputial Gland | | Ectasia | Mild |
| | | [Ectasia TGLs = 1 - 8] | |
| * Prostate | Epithelium | Hyperplasia | Minimal |
| * Spleen | | Hyperplasia | Lymphoid, Mild |
| | | Pigmentation | Minimal |
| * Thymus | | Atrophy | Mild |
| Tooth | | Dysplasia | |

* PROTOCOL REQUIRED TISSUE

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 Lab: BAT

ANIMAL ID: 5

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603625

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Lymph Node, Mandibular	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Intestine Small, Jejunum [Lymphoma Malignant TGLs = 1 - 10]		Lymphoma Malignant	
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Metaplasia	Minimal
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Nose	Glands, Respirat Epith Respirat Epith	Dilatation	Minimal
		Hyperplasia	Mild
		Inflammation	Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
Tooth		Dysplasia	
* Urin Bladder			

Note: Superficial epithelial cells of the bladder appear enlarged. This was thought to represent artifact of tissue rehydration.

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Lab: BAT

ANIMAL ID: 6

TRT#: 1

SEX: Male

DAY ON TEST: 4

DOSE: 0 MG/KG

DISP: Dosing Accident

HISTO: 0603626

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Atrophy	Mild
* Esophagus	Periesoph Tiss	Inflammation	Mild
[Inflammation TGLs = 1 - 10]			
* Lymph Node, Mandibular		Necrosis	Mild
* Thymus		Necrosis	Moderate

PRIMARY CAUSE OF DEATH - Esophagus Periesoph Tiss Inflammation

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 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

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 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 7

TRT#: 1

SEX: Male

DAY ON TEST: 562

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 0603627

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Carcinoma	
		Necrosis	Mild
	[Basophilic Focus TGLs = 2 - 10]		
	[Hepatocellular Carcinoma TGLs = 1 - 10]		
* Lymph Node, Mesenteric		Atrophy	Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Spleen		Atrophy	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
* Thymus		Necrosis	Marked

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

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 Lab: BAT

ANIMAL ID: 8

TRT#: 1

SEX: Male

DAY ON TEST: 561

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603628

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Adenoma	
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	

Note: Adenoma from TGL-3 is also in B03.

[Hepatocellular Adenoma TGLs = 2,3,4 - 11+12+13]

[Mixed Cell Focus TGLs = 1-10]

* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Glands, Olfactory Epi	Dilatation	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Glands, Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
	Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal
* Spleen		Hyperplasia	Lymphoid, Mild

* PROTOCOL REQUIRED TISSUE

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Lab: BAT

ANIMAL ID: 8

TRT#: 1

SEX: Male

DAY ON TEST: 561

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603628

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium	Pigmentation	Minimal
		Hyperplasia	Minimal
		Inflammation	Minimal
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	
		Odontoma	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

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 Lab: BAT

ANIMAL ID: 9

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603629

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
	[Hepatocellular Adenoma TGLs = 2-11]		
	[Hepatocellular Carcinoma TGLs = 1-10]		
	[Mixed Cell Focus TGLs = 3,5 - 12+13]		
* Nose	Glands, Respirat Epith	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Hyperplasia	Lymphoid, Moderate
	[Hyperplasia TGLs = 4 - 6]		
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

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Lab: BAT

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 588

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 0603630

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Parathyroid Gland
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AUTO PRECLUDES DIAG.

* Nose	* Spleen
--------	----------

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Adenoma	
* Esophagus			
Note: Esophagus examined in section of lungs.			
* Heart	Valve	Inflammation	Mild
		Thrombosis	Moderate
Note: Aortic valve has a septic thrombus.			
* Kidney		Inflammation	Mild
Note: Multifocal suppurative inflammation in the kidney was due to embolism from valvular thrombosis.			
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH

- Heart Valve Thrombosis

* PROTOCOL REQUIRED TISSUE

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 Lab: BAT

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603631

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Stomach, Glandular | * Testes | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|------------------------|---|----------------------------------|-------------------------|
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | |
| | | Hepatocellular Carcinoma | Multiple |
| | | Inflammation | Chronic Active, Minimal |
| | [Hepatocellular Carcinoma TGLs = 1,2 - 10+11] | | |
| * Nose | Olfactory Epi | Accumulation, Hyaline Droplet | Minimal |
| | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Glands, Respirat Epith | Dilatation | Minimal |
| | Respirat Epith | Hyperplasia | Minimal |
| * Spleen | | Hematopoietic Cell Proliferation | Minimal |
| | | Hyperplasia | Lymphoid, Moderate |
| | | Pigmentation | Minimal |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Marked |
| | | Inflammation | Mild |
| | [Hyperplasia TGLs = 3-12] | | |
| * Thymus | | Atrophy | Marked |
| Tongue | | Angiectasis | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603631

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth

Dysplasia

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 698

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 0603632

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Pelvis	Dilatation	Mild
		Mineralization	Minimal
	Papilla	Necrosis	Moderate
		Nephropathy	Mild
	[Dilatation TGLs = 3 - 4]		
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLs = 1 - 10]		
	[Hepatocellular Carcinoma TGLs = 2 - 11]		
* Lymph Node, Mesenteric		Atrophy	Mild
* Spleen		Necrosis	Lymphoid, Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Minimal
* Thymus		Atrophy	Marked
Tooth		Dysplasia	
Ureter		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 698

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 0603632

ORGAN AND ACCOUNTABLE SITE STATUS

Necrosis

Mild

Note: Lesions in ureter were noted in routine section of prostate (B08).

PRIMARY CAUSE OF DEATH - Kidney Papilla Necrosis

CONTRIBUTORY CAUSE OF DEATH - Ureter Necrosis

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603633

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Pancreas	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

OBSERVATIONS

* Kidney	Cortex	Cyst	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Necrosis	Minimal
	[Eosinophilic Focus TGLs = 2,6 - 10+13]		
	[Hepatocellular Adenoma TGLs = 3,5 - 11+12]		
	[Mixed Cell Focus TGLs = 4 - 12]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLs = 7 - 14]		
* Lymph Node, Mesenteric		Atrophy	Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Glands, Olfactory Epi	Dilatation	Minimal
	Glands, Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603633

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland [Atrophy TGLs = 1 - 8]	Glands, Olfactory Epi	Metaplasia Atrophy	Respiratory, Minimal Marked
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Marked

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603634

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|------------------------------------|------------------------|----------------------------------|-------------------------|
| * Harderian Gland | | Adenoma | |
| [Adenoma TGLs = 1-9] | | | |
| * Kidney | | Nephropathy | Minimal |
| [Nephropathy TGLs = 4 - 12] | | | |
| * Liver | | Inflammation | Chronic Active, Minimal |
| [Mixed Cell Focus TGLs = 2 - 10] | | Mixed Cell Focus | |
| Mesentery | | Inflammation | Suppurative, Marked |
| Note: Mesentery has an abscess. | | | |
| [Inflammation TGLs = 3 - 11] | | | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Glands, Respirat Epith | Dilatation | Minimal |
| | Respirat Epith | Hyperplasia | Mild |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| * Thymus | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603635

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Testes | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|--------------------------|---|------------------------|---------|
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | | Mixed Cell Focus | |
| | [Clear Cell Focus TGLs = 3,4 - 10+11] | | |
| | [Hepatocellular Adenoma TGLs = 2 - 4] | | |
| * Lymph Node, Mesenteric | | Atrophy | Mild |
| * Nose | Glands, Respirat Epith | Dilatation | Minimal |
| | Respirat Epith | Hyperplasia | Mild |
| * Preputial Gland | | Ectasia | Mild |
| | [Ectasia TGLs = 1 - 8] | | |
| * Spleen | | Pigmentation | Minimal |
| * Thymus | | Atrophy | Marked |
| Tooth | | Dysplasia | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603636

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Stomach, Glandular | * Testes | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- | | |
|-----------------|----------|
| * Mammary Gland | * Thymus |
|-----------------|----------|

OBSERVATIONS

- | | | | |
|---|---|----------------------------------|----------------------|
| * Islets, Pancreatic | | Hyperplasia | Marked |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | Multiple |
| Note: TGL-1 = 2 masses hence two diagnoses. | | | |
| | [Eosinophilic Focus TGLs = 4 - 4] | | |
| | [Hepatocellular Adenoma TGLs = 1,3 - 12+13] | | |
| | [Hepatocellular Carcinoma TGLs = 1,2 - 11+13] | | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Glands, Olfactory Epi | Hyperplasia | Minimal |
| | Glands, Respirat Epith | Hyperplasia | Minimal |
| | Olfactory Epi | Metaplasia | Respiratory, Minimal |
| | Glands, Olfactory Epi | Metaplasia | Respiratory, Minimal |
| * Spleen | | Hematopoietic Cell Proliferation | Minimal |
| | | Pigmentation | Minimal |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Marked |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603636

ORGAN AND ACCOUNTABLE SITE STATUS

		Squamous Cell Papilloma	
		Ulcer	Minimal
[Squamous Cell Papilloma	TGLs = 5 - 10]		
Tooth		Dysplasia	

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603637

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Lymphoma Malignant	
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Mild
		Lymphoma Malignant	
		Mixed Cell Focus	
	[Eosinophilic Focus TGLs = 6 - 14]		
	[Hepatocellular Adenoma TGLs = 4,5 - 13+14]		
	[Hepatocellular Carcinoma TGLs = 2 - 12]		
	[Mixed Cell Focus TGLs = 7 - 15]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Lymphoma Malignant	
	[Alveolar/Bronchiolar Carcinoma TGLs = 3 - 11]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603637

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
* Spleen		Hemangiosarcoma	
		Lymphoma Malignant	
		Pigmentation	Minimal
	[Hemangiosarcoma TGLs = 1 - 10]		
* Stomach, Forestomach		Erosion	Minimal
	Epithelium	Hyperplasia	Moderate
		Inflammation	Mild
	[Hyperplasia TGLs = 8 - 16]		
* Thymus		Atrophy	Marked
Tooth		Dysplasia	

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603638

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Bone Marrow
- * Brain
- * Eye
- * Gallbladder
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Lung
- * Lymph Node, Mandibular
- * Parathyroid Gland
- * Pituitary Gland
- * Salivary Glands
- * Seminal Vesicle
- * Trachea
- * Urinary Bladder
- Blood Vessel
- * Epididymis
- * Harderian Gland
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Lymph Node, Mesenteric
- * Preputial Gland
- * Testes
- * Bone
- * Esophagus
- * Heart
- * Intestine Small, Duodenum
- * Kidney
- * Pancreas
- * Prostate
- * Thyroid Gland

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|---|--|-------------------------------|-------------------------|
| Ear | External Ear | Inflammation | Mild |
| | External Ear | Necrosis | Mild |
| | [Necrosis TGLs = 4 - 15] | | |
| * Liver | | Eosinophilic Focus | |
| | | Hepatoblastoma | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | Multiple |
| | | Inflammation | Chronic Active, Minimal |
| | | Necrosis | Mild |
| Note: Hepatocellular carcinoma also present in B03 and B05, and adenoma present in B10. | | | |
| | [Hepatoblastoma TGLs = 8 - 11] | | |
| | [Hepatocellular Adenoma TGLs = 7 - 5] | | |
| | [Hepatocellular Carcinoma TGLs = 6,9 - 4+12] | | |
| | [Necrosis TGLs = 10 - 10] | | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Respirat Epith | Hyperplasia | Minimal |
| * Skin | Dermis | Fibrosis | Mild |
| | Epidermis | Hyperplasia | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603638

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Moderate
		Ulcer	Marked
	[Hyperplasia TGLs = 5 - 15]		
	[Ulcer TGLs = 1,2,3 - 13+14]		
* Spleen		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Mild
	[Hyperplasia TGLs = 11 - 16]		
* Stomach, Glandular	Epithelium	Necrosis	Minimal
* Thymus		Atrophy	Marked

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603639

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|--------------------------|--|------------------------------|-------------------------|
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Inflammation | Chronic Active, Minimal |
| | [Eosinophilic Focus TGLs = 1 - 5] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| * Lymph Node, Mesenteric | | Atrophy | Minimal |
| * Nose | Nerve | Atrophy | Minimal |
| | Respirat Epi | Hyperplasia | Minimal |
| | | Inflammation | Mild |
| | Olfactory Epi | Metaplasia | Respiratory, Mild |
| | | Polyp, Inflammatory | |
| | Note: Bilateral inflammatory polyps are present. | | |
| * Spleen | | Pigmentation | Minimal |
| * Thymus | | Atrophy | Moderate |
| Tooth | | Odontoma | Multiple |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 4

DOSE: 0 MG/KG

DISP: Dosing Accident

HISTO: 0603640

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Esophagus		Necrosis	Marked
		Perforation	
	[Perforation TGLs = 1 - 10]		
* Heart		Inflammation	Mild
* Lung		Foreign Body	
	Mediastinum	Inflammation	Moderate
	Serosa	Inflammation	Moderate
* Thymus		Atrophy	Moderate

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 584

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 0603641

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Atrophy	Mild
* Harderian Gland		Adenoma	
[Adenoma TGLs = 1 - 9]			
* Kidney	Renal Tubule	Adenoma	
[Adenoma TGLs = 9 - 15]		Mineralization	Minimal
* Liver		Eosinophilic Focus	
[Eosinophilic Focus TGLs = 7 - 13]		Lymphoma Malignant	
		Necrosis	Minimal
Lymph Node	Pancreatic	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
[Lymphoma Malignant TGLs = 8 - 14]			
[Lymphoma Malignant TGLs = 6 - 12]			
[Lymphoma Malignant TGLs = 5 - 11]			
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 4 - 10]			

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 584

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 0603641

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Glands, Respirat Epith	Dilatation	Minimal
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 3 - 10]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 685

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 0603642

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Carcinoma TGLs = 1,2,3-4+10+11]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mandibular		Atrophy	Mild
Mesentery	Vein	Thrombosis	Moderate
	Note: Thrombosis noted in mesenteric veins at the mesenteric lymph node (in B05).		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Nerve	Atrophy	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603643

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Pancreas | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- | | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

- | | | | |
|--------------------------|--|------------------------|----------|
| * Kidney | Cortex | Cyst | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Hepatocellular Adenoma | |
| | [Hepatocellular Adenoma TGLs = 2 - 10] | | |
| * Lung | Alveolar Epith | Hyperplasia | Minimal |
| * Lymph Node, Mesenteric | | Atrophy | Minimal |
| * Nose | Glands, Respirat Epith | Dilatation | Minimal |
| * Spleen | Red Pulp | Atrophy | Mild |
| | | Pigmentation | Minimal |
| * Thymus | | Atrophy | Moderate |
| Tongue | | Cyst | Mild |
| | Note: Cyst contains cholesterol clefts and macrophages but is lined by epithelium. | | |
| | [Cyst TGLs = 1 - 10] | | |
| Tooth | | Dysplasia | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603644

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Infarct	Mild
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Mitotic Alteration	Minimal
	[Clear Cell Focus TGLs = 3 - 12]		
	[Hepatocellular Adenoma TGLs = 2 - 11]		
	[Hepatocellular Carcinoma TGLs = 1 - 10]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
		Polyp, Inflammatory	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603644

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
Tooth		Odontoma	

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603645

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|--------------------------|---|-------------------------------|-------------------------|
| * Harderian Gland | | Adenoma | |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Inflammation | Chronic Active, Minimal |
| | | Mixed Cell Focus | |
| | [Clear Cell Focus TGLs = 5,7 - 11+13] | | |
| | [Hepatocellular Adenoma TGLs = 2,3,6 - 5+10+12] | | |
| | [Mixed Cell Focus TGLs = 4 - 3] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| * Lymph Node, Mandibular | | Atrophy | Minimal |
| * Lymph Node, Mesenteric | | Atrophy | Marked |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Glands, Respirat Epith | Dilatation | Minimal |
| | Respirat Epith | Hyperplasia | Mild |
| | Glands, Respirat Epith | Hyperplasia | Minimal |
| | | Inflammation | Minimal |
| | Glands, Respirat Epith | Metaplasia | Respiratory, Mild |
| * Skin | Subcut Tiss | Lipoma | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603645

ORGAN AND ACCOUNTABLE SITE STATUS

[Lipoma TGLs = 1 - 14]

* Spleen

Pigmentation

Minimal

* Thymus

Atrophy

Mild

Tooth

Dysplasia

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 156

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603646

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|---------------|-----------------------------------|----------------------------------|-------------------------|
| * Bone Marrow | | Hyperplasia | Marked |
| * Liver | | Hematopoietic Cell Proliferation | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| * Skin | Dermis | Fibrosis | Mild |
| | | Inflammation | Moderate |
| | | Ulcer | Marked |
| | [Ulcer TGLs = 1,2,3 - 10+11+12] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Moderate |

PRIMARY CAUSE OF DEATH - Skin Ulcer

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603647

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|----------|--|-------------------------------|----------|
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Mixed Cell Focus | |
| | [Clear Cell Focus TGLs = 2,4 - 12] | | |
| | [Eosinophilic Focus TGLs = 3 - 10] | | |
| | [Hepatocellular Adenoma TGLs = 1,4 - 11] | | |
| * Nose | Olfactory Epi | Accumulation, Hyaline Droplet | Minimal |
| | Glands, Respirat Epith | Dilatation | Minimal |
| | Respirat Epith | Hyperplasia | Minimal |
| * Spleen | | Pigmentation | Minimal |
| * Thymus | | Atrophy | Moderate |
| Tooth | | Dysplasia | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603648

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Blood Vessel
- * Bone Marrow
- * Brain
- * Epididymis
- * Eye
- * Gallbladder
- * Heart
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Duodenum
- * Intestine Small, Jejunum
- * Islets, Pancreatic
- * Lymph Node, Mandibular
- * Pancreas
- * Parathyroid Gland
- * Pituitary Gland
- * Prostate
- * Salivary Glands
- * Seminal Vesicle
- * Stomach, Forestomach
- * Stomach, Glandular
- * Testes
- * Trachea
- * Urinary Bladder
- * Bone
- * Esophagus
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mesenteric
- * Preputial Gland
- * Skin
- * Thyroid Gland

MISSING

- * Mammary Gland

OBSERVATIONS

- * Harderian Gland
 - [Adenoma TGLs = 1 - 9]
- * Kidney
 - Adenoma
 - Nephropathy
 - Clear Cell Focus
 - Hepatocellular Adenoma
 - Hepatocellular Carcinoma
 - Inflammation
 - Mixed Cell Focus
 - Necrosis
- * Liver
 - Minimal
 - Chronic Active, Minimal
 - Minimal
- * Lung
 - [Hepatocellular Adenoma TGLs = 5 - 11]
 - [Hepatocellular Carcinoma TGLs = 2 - 12]
 - [Mixed Cell Focus TGLs = 3 - 10]
 - Alveolar/Bronchiolar Adenoma
- * Nose
 - [Alveolar/Bronchiolar Adenoma TGLs = 4 - 11]
 - Respirat Epith
 - Respirat Epith
 - Accumulation, Hyaline Droplet
 - Hyperplasia
 - Hematopoietic Cell Proliferation
 - Pigmentation
- * Spleen
 - Minimal
 - Minimal
 - Mild
 - Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603648

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus
Tooth

Atrophy
Dysplasia

Marked

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANATOMY PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603649

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

OBSERVATIONS

* Harderian Gland		Adenoma	
[Adenoma TGLs = 6 - 9]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
[Eosinophilic Focus TGLs = 4,5 - 13+14]			
[Hepatocellular Adenoma TGLs = 2 - 12]			
[Hepatocellular Carcinoma TGLs = 3 - 10]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLs = 1 - 11]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603650

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Harderian Gland		Adenoma	
* Heart		Hemangiosarcoma	
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Degeneration	Mild
		Eosinophilic Focus	
		Hemangiosarcoma	
		Hepatocellular Adenoma	Multiple
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	Hepatocyte	Karyomegaly	Minimal
	[Hemangiosarcoma TGLs = 3,5,6,8,9,10 - 11+12+13+15+16]		
	[Hepatocellular Adenoma TGLs = 4,7-12+14]		
* Lung		Hemangiosarcoma	
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Preputial Gland		Ectasia	Mild
	[Ectasia TGLs = 1 - 8]		
* Spleen		Hemangiosarcoma	
		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603650

ORGAN AND ACCOUNTABLE SITE STATUS

Pigmentation

Minimal

[Hemangiosarcoma TGLs = 2 - 10]

Hyperplasia

Mild

* Stomach, Forestomach

Epithelium

Atrophy

Marked

* Thymus

Tooth

Dysplasia

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603651

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Harderian Gland		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Basophilic Focus TGLs = 2 - 11]		
	[Hepatocellular Carcinoma TGLs = 1 - 10]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Preputial Gland		Ectasia	Mild
	[Ectasia TGLs = 3 - 8]		
* Spleen		Hemangiosarcoma	
		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603651

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 4 - 12]

* Thymus

Atrophy

Moderate

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 591

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603652

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | Blood Vessel | * Bone | * Brain |
| * Epididymis | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Stomach, Glandular | * Testes |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|--------------------------|--|----------------------------------|--------------------|
| * Adrenal Medulla | | Hyperplasia | Minimal |
| * Bone Marrow | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | Multiple |
| | | Necrosis | Mild |
| | [Hepatocellular Adenoma TGLs = 2 - 10] | | |
| | [Hepatocellular Carcinoma TGLs = 1,3,4,5 - 10+11+12] | | |
| * Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| * Lymph Node, Mesenteric | | Atrophy | Mild |
| * Nose | Olfactory Epi | Accumulation, Hyaline Droplet | Mild |
| * Spleen | | Atrophy | Minimal |
| | | Hematopoietic Cell Proliferation | Moderate |
| | | Pigmentation | Minimal |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Mild |
| | | Inflammation | Mild |
| | | Ulcer | Mild |
| | [Hyperplasia TGLs = 6 - 13] | | |
| * Thymus | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 591

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603652

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 0603653

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Preputial Gland |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|--------------------------|--|-------------------------------|----------------------|
| * Kidney | | Infarct | Mild |
| | | Inflammation | Moderate |
| * Liver | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | | Mixed Cell Focus | |
| | | Necrosis | Mild |
| | [Hepatocellular Adenoma TGLs = 5,6 - 5+11] | | |
| | [Hepatocellular Carcinoma TGLs = 2 - 10] | | |
| | [Mixed Cell Focus TGLs = 3,4 - 12+13] | | |
| * Lung | Alveolar Epith | Hyperplasia | Minimal |
| * Lymph Node, Mesenteric | | Atrophy | Marked |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Mild |
| | Respirat Epith | Hyperplasia | Minimal |
| | | Inflammation | Minimal |
| | Olfactory Epi | Metaplasia | Respiratory, Minimal |
| | | Polyp, Inflammatory | |
| * Prostate | | Inflammation | Minimal |
| * Spleen | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 0603653

ORGAN AND ACCOUNTABLE SITE STATUS

Red Pulp

Atrophy

Mild

Pigmentation

Mild

[Atrophy TGLs = 7 - 4]

Atrophy

Marked

* Thymus

Odontoma

Multiple

Tooth

PRIMARY CAUSE OF DEATH

- Tooth Odontoma

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603654

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Clear Cell Focus TGLs = 4 - 13]		
	[Hepatocellular Carcinoma TGLs = 1 - 10]		
	[Mixed Cell Focus TGLs = 2 - 11]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Glands, Respirat Epith	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Spleen	Red Pulp	Atrophy	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Minimal
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603655

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Infarct	Minimal
		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Clear Cell Focus	
* Nose	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Spleen	Red Pulp	Atrophy	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603656

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Blood Vessel
- * Bone Marrow
- * Brain
- * Epididymis
- * Bone
- * Eye
- * Gallbladder
- * Harderian Gland
- * Esophagus
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Heart
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Islets, Pancreatic
- * Intestine Small, Duodenum
- * Lymph Node, Mandibular
- * Lymph Node, Mesenteric
- * Pancreas
- * Lung
- * Pituitary Gland
- * Prostate
- * Salivary Glands
- * Parathyroid Gland
- * Skin
- * Stomach, Glandular
- * Testes
- * Seminal Vesicle
- * Trachea
- * Urinary Bladder
- * Thyroid Gland

MISSING

- * Mammary Gland

OBSERVATIONS

- * Kidney
 - Accumulation, Hyaline Droplet Mild
 - Nephropathy Mild
- * Liver
 - Eosinophilic Focus
 - Hepatocellular Adenoma
 - Hepatocellular Carcinoma
- [Hepatocellular Adenoma TGLs = 4 - 12]
 - [Hepatocellular Carcinoma TGLs = 4 - 12]
- Mesentery
 - Fat Necrosis Mild
 - [Necrosis TGLs = 3 - 11]
- * Nose
 - Respirat Epith Accumulation, Hyaline Droplet Minimal
 - Olfactory Epi Accumulation, Hyaline Droplet Minimal
 - Respirat Epith Hyperplasia Minimal
- * Preputial Gland
 - Ectasia Mild
 - [Ectasia TGLs = 1 - 8]
- * Spleen
 - Pigmentation Minimal
- * Stomach, Forestomach
 - Erosion Minimal
 - Epithelium Hyperplasia Moderate
 - Inflammation Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603656

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 5 -13]

* Thymus

Atrophy

Marked

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603657

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney	Cortex	Cyst	Minimal
* Liver		Hepatocellular Adenoma	
		Mixed Cell Focus	
	[Hepatocellular Adenoma TGLs = 1 - 10]		
	[Mixed Cell Focus TGLs = 2 - 11]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLs = 3 - 12]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Spleen		Pigmentation	Minimal
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 548

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 0603658

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Gallbladder	* Mammary Gland
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OBSERVATIONS

* Bone Marrow		Atrophy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
		Necrosis	Mild
	[Hepatocellular Carcinoma TGLs = 1,2 - 10+11]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mesenteric		Atrophy	Moderate
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603659

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Harderian Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Hemangiosarcoma	
		Hepatocellular Carcinoma	Multiple
		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
	[Hepatocellular Carcinoma TGLs = 5,6,7 - 13+14+15]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Skin		Inflammation	Moderate
		Ulcer	Marked
	[Ulcer TGLs = 1,2,3 - 10+11+12]		
* Spleen		Hematopoietic Cell Proliferation	Marked
	[Hematopoietic Cell Proliferation TGLs = 4 - 4]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603659

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

Tooth

Dysplasia

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 678

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603660

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Pancreas
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Eye	Cornea	Inflammation	Moderate
	[Inflammation TGLs = 1 - 9]		
* Harderian Gland		Adenoma	
	[Adenoma TGLs = 2 - 9]		
* Heart		Carcinoma	Metastatic (Zymbal'S Gland)
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hemangiosarcoma	
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	
	Oval Cell	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Hepatocellular Adenoma TGLs = 5 - 11]		
	[Mixed Cell Focus TGLs = 6 - 10]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Carcinoma	Metastatic (Zymbal'S Gland)
	[Carcinoma TGLs = 4,8 -12+13]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 678

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603660

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Lymph Node, Mesenteric		Hemangiosarcoma	
	[Hemangiosarcoma TGLs = 7 - 5]		
* Nose	Respirat Epith	Hyperplasia	Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
		Carcinoma	Metastatic (Zymbal'S Gland)
Tooth		Dysplasia	
Zymbal's Gland		Carcinoma	
	[Carcinoma TGLs = 3 - 1]		

PRIMARY CAUSE OF DEATH - Zymbal's Gland Carcinoma

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603661

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Pituitary Gland	* Preputial Gland
* Prostate	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

OBSERVATIONS

* Esophagus	Periesoph Tiss	Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
* Nose	Glands, Respirat Epith	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Salivary Glands		Fibrosis	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Mild
Tooth		Dysplasia	

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603662

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lymph Node, Mesenteric | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|------------------------------------|--|--------------------------------|-------------------------|
| * Adrenal Cortex | | Hypertrophy | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hemangiosarcoma | |
| | | Hepatocellular Adenoma | Multiple |
| | | Inflammation | Chronic Active, Minimal |
| Note: Hemangiosarcoma also in B03. | | | |
| | [Hemangiosarcoma TGLs = 2 - 11] | | |
| | [Hepatocellular Adenoma TGLs = 1,3 - 10+12] | | |
| * Lung | | Alveolar/Bronchiolar Carcinoma | |
| | [Alveolar/Bronchiolar Carcinoma TGLs = 4 - 12] | | |
| * Lymph Node, Mandibular | | Atrophy | Mild |
| * Nose | Respirat Epith | Hyperplasia | Mild |
| | Glands, Olfactory Epi | Hyperplasia | Minimal |
| | | Inflammation | Minimal |
| | Glands, Olfactory Epi | Metaplasia | Respiratory, Minimal |
| | Olfactory Epi | Metaplasia | Respiratory, Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603662

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Gland dilatation not diagnosed because structure that is dilated appears to be pseudogland rather than gland.

* Spleen
* Thymus
Tooth

Pigmentation
Atrophy
Dysplasia
Odontoma

Minimal
Mild

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 655

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603663

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Carcinoma	
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
	[Hepatocellular Carcinoma TGLs = 1 - 10]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mesenteric		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Moderate
	[Hyperplasia TGLs = 2 - 11]		
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANATOMY PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603664

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|----------|--|----------------------------------|-------------------------|
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Carcinoma | |
| | | Inflammation | Chronic Active, Minimal |
| | | Mixed Cell Focus | |
| | [Clear Cell Focus TGLs = 2,3 - 11+12] | | |
| | [Hepatocellular Carcinoma TGLs = 1 - 10] | | |
| * Nose | Glands, Olfactory Epi | Dilatation | Minimal |
| | Glands, Respirat Epith | Dilatation | Minimal |
| | Respirat Epith | Hyperplasia | Mild |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Minimal |
| * Thymus | | Atrophy | Mild |
| Tooth | | Dysplasia | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603665

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Hepatocellular Adenoma TGLs = 3 - 11]		
	[Mixed Cell Focus TGLs = 4 - 12]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Preputial Gland		Ectasia	Mild
	[Ectasia TGLs = 1 - 8]		
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603666

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Adenoma	
* Eye	Cornea	Inflammation	Minimal
* Harderian Gland		Adenoma	
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	[Clear Cell Focus TGLs = 3 - 12]		
	[Hepatocellular Adenoma TGLs = 2 - 11]		
	[Hepatocellular Carcinoma TGLs = 1 - 10]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Mild
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603667

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Eye	Cornea	Inflammation	Mild
[Inflammation TGLs = 2 - 9]			
* Harderian Gland	Bilateral	Adenoma	
[Adenoma TGLs = 3 - 9]			
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hemangiosarcoma	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
Note: TGL-8 = two gross foci correlating to two different microscopic diagnoses.			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 4 - 10]			
* Nose	Glands, Respirat Epith	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603667

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Inflammation	Minimal
[Ectasia TGLs = 1 - 8]	Ectasia	Mild
* Spleen	Pigmentation	Minimal
* Thymus	Atrophy	Marked
Tooth	Dysplasia	

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603668

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Mixed Cell Focus TGLs = 1,2 - 10 + 11]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Skin		Ulcer	Mild
	Note: Skin above preputial gland was ulcerated.		
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Adenoma	
Tooth		Dysplasia	

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 643

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 0603669

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Skin	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney	Pelvis	Dilatation	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
	[Dilatation TGLs = 4 - 4]		
* Liver		Mixed Cell Focus	
	[Mixed Cell Focus TGLs = 1,2 - 10+11]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Minimal
	[Alveolar/Bronchiolar Adenoma TGLs = 3 - 12]		
* Lymph Node, Mesenteric		Atrophy	Marked
* Nose	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Necrosis	Minimal
* Seminal Vesicle		Mineralization	Minimal
* Spleen		Atrophy	Marked
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Mild
		Ulcer	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 643

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 0603669

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 5 - 13]

* Thymus

Atrophy

Marked

Tooth

Dysplasia

Note: Teeth were trimmed once 072806.

PRIMARY CAUSE OF DEATH

- UNCERTAIN

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 0603670

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Gallbladder | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Testes | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|---|----------------|-------------------------------|---------------------------------|
| * Bone Marrow | | Hyperplasia | Minimal |
| * Harderian Gland | | Adenoma | |
| [Adenoma TGLs = 4 - 9] | | | |
| * Islets, Pancreatic | | Carcinoma | |
| [Carcinoma TGLs = 3 - 12] | | | |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Carcinoma | Metastatic (Islets, Pancreatic) |
| | | Hemangiosarcoma | |
| | | Hepatocellular Adenoma | Multiple |
| | | Inflammation | Chronic Active, Minimal |
| [Hemangiosarcoma TGLs = 2 - 11] | | | |
| [Hepatocellular Adenoma TGLs = 1,5-10+13] | | | |
| Lymph Node | Bronchial | Lymphoma Malignant | |
| Note: Bronchial lymph nodes diagnosed based upon lesion in routine section of lung (B03). | | | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| * Thymus | | Lymphoma Malignant | |
| Tooth | | Dysplasia | |

PRIMARY CAUSE OF DEATH - Islets, Pancreatic Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANATOMY PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 51

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603671

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Pancreas | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- | | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

- | | | | |
|------------------|--|----------------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Adenoma | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Inflammation | Chronic Active, Minimal |
| | | Mixed Cell Focus | |
| | [Hepatocellular Adenoma TGLs = 1,2 - 10+11] | | |
| | [Mixed Cell Focus TGLs = 4 - 11] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | Alveolar Epith | Hyperplasia | Moderate |
| | [Alveolar/Bronchiolar Adenoma TGLs = 3 - 12] | | |
| * Nose | Olfactory Epi | Accumulation, Hyaline Droplet | Mild |
| | Respirat Epith | Hyperplasia | Minimal |
| * Spleen | | Hematopoietic Cell Proliferation | Minimal |
| | | Hyperplasia | Lymphoid, Mild |
| | | Pigmentation | Minimal |
| * Thymus | | Atrophy | Moderate |
| Tooth | | Dysplasia | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 52

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603672

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Epididymis | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Testes | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|----------|----------------|--------------------------|-------------------------|
| * Brain | Olfactory Lobe | Atrophy | Moderate |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | |
| | | Inflammation | Chronic Active, Minimal |
| | | Necrosis | Moderate |
| | | Pigmentation | Minimal |

Note: TGL-2 = necrotic lobe, probably due to torsion.

[Hepatocellular Adenoma TGLs = 3 - 11]

[Hepatocellular Carcinoma TGLs = 1 - 10]

[Necrosis TGLs = 2 - 11]

- | | | | |
|--------------------------|----------------|----------------------------------|---------|
| * Lymph Node, Mesenteric | | Atrophy | Mild |
| * Nose | Respirat Epith | Hyperplasia | Minimal |
| * Spleen | | Hematopoietic Cell Proliferation | Minimal |
| | | Pigmentation | Minimal |
| * Thymus | | Atrophy | Marked |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 53

TRT#: 3

SEX: Male

DAY ON TEST: 714

DOSE: 6 MG/KG

DISP: Natural Death

HISTO: 0603673

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

OBSERVATIONS

* Bone Marrow		Thrombosis	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
Note: TGL-5 = autolysis.			
	[Hepatocellular Adenoma TGLs = 1,3,4,7 - 10+12+13]		
	[Hepatocellular Carcinoma TGLs = 2 - 11]		
Lymph Node	Mediastinal	Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 6 - 15]		
* Nose	Glands, Olfactory Epi	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Marked
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 54

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603674

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Gallbladder | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Testes | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | |
|--|------------------------|-------------------------|
| * Bone Marrow | Hyperplasia | Minimal |
| * Harderian Gland | Hyperplasia | Moderate |
| [Hyperplasia TGLs = 3 - 9] | | |
| * Islets, Pancreatic | Hyperplasia | Minimal |
| * Kidney | Mineralization | Minimal |
| * Liver | Eosinophilic Focus | |
| | Hepatocellular Adenoma | |
| | Inflammation | Chronic Active, Minimal |
| | Mixed Cell Focus | |
| [Hepatocellular Adenoma TGLs = 2 - 11] | | |
| [Mixed Cell Focus TGLs = 1 - 10] | | |
| * Spleen | Pigmentation | Minimal |
| * Thymus | Atrophy | Marked |
| Tooth | Dysplasia | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 55

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603675

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Harderian Gland		Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Pigmentation	Minimal
	[Eosinophilic Focus TGLs = 3,4,5-11+12+13]		
	[Hepatocellular Adenoma TGLs = 2 - 10]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLs = 6 - 14]		
* Lymph Node, Mesenteric		Atrophy	Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
		Foreign Body	
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Minimal
* Preputial Gland		Ectasia	Mild
	[Ectasia TGLs = 1 - 8]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 55

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603675

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Moderate

Tooth

Dysplasia

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 56

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603676

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|----------|------------------------|--|-------------------------|
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatoblastoma | |
| | | Hepatocellular Adenoma | Multiple |
| | | Inflammation | Chronic Active, Minimal |
| | | Necrosis | Moderate |
| | | [Eosinophilic Focus TGLs = 3 - 12] | |
| | | [Hepatoblastoma TGLs = 1 - 10] | |
| | | [Hepatocellular Adenoma TGLs = 2,5 -11+14] | |
| | | [Necrosis TGLs = 4 - 13] | |
| * Nose | Glands, Respirat Epith | Dilatation | Minimal |
| | Respirat Epith | Hyperplasia | Mild |
| * Spleen | | Pigmentation | Minimal |
| * Thymus | | Atrophy | Moderate |
| Tooth | | Dysplasia | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 57

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603677

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Adenoma	
* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Clear Cell Focus	
		Cyst	Minimal
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
	[Clear Cell Focus TGLs = 2 - 11]		
	[Hepatocellular Adenoma TGLs = 1,3 - 10+12]		
* Lung	Alveolar Epith	Hyperplasia	Moderate
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Spleen		Pigmentation	Minimal
* Testes	Germinal Epith	Degeneration	Mild
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 58

TRT#: 3

SEX: Male

DAY ON TEST: 697

DOSE: 6 MG/KG

DISP: Natural Death

HISTO: 0603678

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- | | |
|-----------------|----------|
| * Mammary Gland | * Thymus |
|-----------------|----------|

OBSERVATIONS

- | | | | |
|----------|--|-------------------------------|----------|
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | |
| | | Necrosis | Mild |
| | [Eosinophilic Focus TGLs = 4 - 13] | | |
| | [Hepatocellular Adenoma TGLs = 3 - 12] | | |
| | [Hepatocellular Carcinoma TGLs = 2 - 11] | | |
| * Lung | Alveolar Epith | Hyperplasia | Minimal |
| | Bronchiole, Epithelium | Hyperplasia | Mild |
| * Nose | Olfactory Epi | Accumulation, Hyaline Droplet | Minimal |
| | Respirat Epith | Accumulation, Hyaline Droplet | Mild |
| | Glands, Respirat Epith | Dilatation | Minimal |
| | Glands, Olfactory Epi | Dilatation | Minimal |
| | Respirat Epith | Hyperplasia | Mild |
| | Glands, Olfactory Epi | Hyperplasia | Minimal |
| | | Inflammation | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 58

TRT#: 3

SEX: Male

DAY ON TEST: 697

DOSE: 6 MG/KG

DISP: Natural Death

HISTO: 0603678

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Olfactory Epi Glands, Olfactory Epi	Metaplasia Metaplasia Hemangiosarcoma Hematopoietic Cell Proliferation Pigmentation	Respiratory, Mild Respiratory, Minimal Mild Minimal
[Hemangiosarcoma	TGLs = 1 - 10]		
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 59

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603679

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Pancreas | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

- | | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

- | | | | |
|----------|---|-------------------------------|-------------------------|
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Carcinoma | Multiple |
| | Hepatocyte | Hypertrophy | Mild |
| | | Inflammation | Chronic Active, Minimal |
| | [Clear Cell Focus TGLs = 4 - 13] | | |
| | [Eosinophilic Focus TGLs = 3,5 - 12+14] | | |
| | [Hepatocellular Carcinoma TGLs = 1,2 - 10+11] | | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Respirat Epith | Hyperplasia | Minimal |
| * Thymus | | Atrophy | Moderate |
| Tooth | | Dysplasia | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 60

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603680

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|----------------------------|-----------------------|-------------------------------|-------------------------|
| * Bone | | Fracture | |
| Note: Healed fracture. | | | |
| * Intestine Small, Jejunum | | Adenoma | |
| [Adenoma TGLs = 5 - 13] | | | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | |
| | Hepatocyte | Hypertrophy | Mild |
| | | Inflammation | Chronic Active, Minimal |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| * Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| * Nose | Olfactory Epi | Accumulation, Hyaline Droplet | Minimal |
| | Respirat Epith | Accumulation, Hyaline Droplet | Mild |
| | Glands, Olfactory Epi | Dilatation | Minimal |
| | Glands, Olfactory Epi | Hyperplasia | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 60

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603680

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Metaplasia	Respiratory, Minimal
	Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[Hematopoietic Cell Proliferation TGLs = 4 - 4]		
* Thymus		Atrophy	Marked

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 61

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603681

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Bilateral, Subcapsular	Adenoma	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
	[Adenoma TGLs = 4 - 13]		
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
	[Hepatocellular Carcinoma TGLs = 1 - 10]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLs = 5 - 14]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 2 - 11]		
* Nose	Respirat Epith	Adenoma	
	Glands, Olfactory Epi	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Mild
	Glands, Olfactory Epi	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 61

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603681

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
	Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Lymphoma Malignant	
		Pigmentation	Minimal
	[Lymphoma Malignant TGLs = 3 - 12]		
* Thymus		Lymphoma Malignant	
Tooth		Dysplasia	

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 62

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603682

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Harderian Gland		Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Hepatocyte	Hypertrophy	Minimal
		Mixed Cell Focus	
	[Clear Cell Focus TGLs = 7-15]		
	[Hepatocellular Adenoma TGLs = 2,3 - 11+12]		
	[Hepatocellular Carcinoma TGLs = 1 - 10]		
	[Mixed Cell Focus TGLs = 4-13]		
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
	[Alveolar/Bronchiolar Adenoma TGLs = 5 - 14]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 62

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603682

ORGAN AND ACCOUNTABLE SITE STATUS

Skeletal Muscle

Lymphoma Malignant

Note: Lymphoma extends between muscles and into connective tissue surrounding the trachea, esophagus, and thyroid glands.

[Lymphoma Malignant TGLs = 6 - 14]

* Spleen

Pigmentation

Minimal

* Thymus

Atrophy

Moderate

Tooth

Dysplasia

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 63

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603683

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Stomach, Glandular | * Testes | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|------------------------|--|-------------------------------|----------|
| * Kidney | | Nephropathy | Mild |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | | Mixed Cell Focus | |
| | [Eosinophilic Focus TGLs = 1,2 - 10+11] | | |
| | [Hepatocellular Adenoma TGLs = 3 - 12] | | |
| * Lung | Bronchus | Adenoma | |
| | | Alveolar/Bronchiolar Adenoma | |
| | [Alveolar/Bronchiolar Adenoma TGLs = 4 - 13] | | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Mild |
| | Respirat Epith | Hyperplasia | Minimal |
| * Spleen | | Pigmentation | Minimal |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Mild |
| | | Inflammation | Minimal |
| | [Hyperplasia TGLs = 5 - 14] | | |
| * Thymus | | Atrophy | Moderate |
| Tooth | | Dysplasia | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 64

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603684

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Intestine Small, Jejunum	Peyers Patch	Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 8 - 16]		
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Lymphoma Malignant	
	[Hepatocellular Adenoma TGLs = 5,6 - 14+15]		
	[Hepatocellular Carcinoma TGLs = 2,3,4-11+12+13]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Mild
	[Alveolar/Bronchiolar Adenoma TGLs = 9 - 17]		
Lymph Node	Renal	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
	Note: Mediastinal lymph node lesion observed on routine section for thymus (B06).		
	[Lymphoma Malignant TGLs = 1 - 10]		
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 64

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603684

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant TGLs = 7 - 11]

* Nose	Glands, Olfactory Epi	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
* Thymus		Atrophy	Mild
Tooth		Dysplasia	

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 65

TRT#: 3

SEX: Male

DAY ON TEST: 539

DOSE: 6 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603685

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|--------------------------|--|-------------------------------|--------------------|
| * Bone Marrow | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Eosinophilic Focus | |
| | | Hepatoblastoma | |
| | | Hepatocellular Carcinoma | |
| | [Eosinophilic Focus TGLs = 3 - 12] | | |
| | [Hepatoblastoma TGLs = 1-10] | | |
| | [Hepatocellular Carcinoma TGLs = 2-11] | | |
| * Lung | | Hepatoblastoma | Metastatic (Liver) |
| | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| * Lymph Node, Mesenteric | | Atrophy | Mild |
| * Nose | Olfactory Epi | Accumulation, Hyaline Droplet | Mild |
| | Respirat Epith | Accumulation, Hyaline Droplet | Mild |
| | Nerve | Atrophy | Mild |
| | Glands, Olfactory Epi | Dilatation | Minimal |
| | Glands, Respirat Epith | Dilatation | Minimal |
| | Respirat Epith | Hyperplasia | Minimal |
| | Olfactory Epi | Necrosis | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 65

TRT#: 3

SEX: Male

DAY ON TEST: 539

DOSE: 6 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603685

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Hematopoietic Cell Proliferation

Moderate

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Liver Hepatoblastoma

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 66

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603686

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Adenoma	
		Hypertrophy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
	[Hepatocellular Carcinoma TGLs = 1 - 10]		
	[Mixed Cell Focus TGLs = 3 - 12]		
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
		Osteosarcoma	Metastatic (Uncertain Primary Site)
	[Alveolar/Bronchiolar Adenoma TGLs = 5 - 14]		
	[Osteosarcoma TGLs = 4 - 13]		
* Nose	Respirat Epih	Accumulation, Hyaline Droplet	Minimal
	Nerve	Atrophy	Minimal
	Glands, Olfactory Epi	Hyperplasia	Minimal
		Inflammation	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Mild
		Polyp, Inflammatory	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 66

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603686

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Mild

Tooth

Dysplasia

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 67

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603687

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Bone Marrow
- * Brain
- * Eye
- * Gallbladder
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Lymph Node, Mesenteric
- * Pancreas
- * Prostate
- * Salivary Glands
- * Stomach, Forestomach
- * Stomach, Glandular
- * Trachea
- * Urinary Bladder
- Blood Vessel
- * Epididymis
- * Harderian Gland
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Pituitary Gland
- * Seminal Vesicle
- * Testes
- * Bone
- * Esophagus
- * Heart
- * Intestine Small, Duodenum
- * Lymph Node, Mandibular
- * Preputial Gland
- * Skin
- * Thyroid Gland

MISSING

- * Mammary Gland
- * Parathyroid Gland

OBSERVATIONS

- * Kidney
 - Nephropathy
 - Basophilic Focus
 - Clear Cell Focus
 - Hepatocellular Adenoma
- * Liver
 - [Basophilic Focus TGLs = 3 - 12]
 - [Clear Cell Focus TGLs = 2 - 11]
 - [Hepatocellular Adenoma TGLs = 1 - 10]
- * Lung
 - Alveolar/Bronchiolar Adenoma
- * Nose
 - [Alveolar/Bronchiolar Adenoma TGLs = 4 - 13]
 - Glands, Olfactory Epi
 - Glands, Olfactory Epi
 - Glands, Respirat Epith
- * Spleen
 - Dilatation
 - Hyperplasia
 - Metaplasia
 - Hyperplasia
 - Pigmentation
- * Thymus
 - Atrophy
- Tooth
 - Dysplasia

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 68

TRT#: 3

SEX: Male

DAY ON TEST: 659

DOSE: 6 MG/KG

DISP: Natural Death

HISTO: 0603688

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma Necrosis	Moderate
	[Hepatocellular Adenoma TGLs = 3 - 12]		
	[Hepatocellular Carcinoma TGLs = 2 - 11]		
	[Necrosis TGLs = 5 - 13]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	[Hepatocellular Carcinoma TGLs = 4 - 13]		
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Moderate
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Glands, Olfactory Epi	Hyperplasia	Minimal
		Inflammation	Minimal
* Skin	Subcut Tiss	Melanoma Malignant	
	[Melanoma Malignant TGLs = 1 - 10]		
* Spleen		Atrophy	Mild
		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 68

TRT#: 3

SEX: Male

DAY ON TEST: 659

DOSE: 6 MG/KG

DISP: Natural Death

HISTO: 0603688

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Moderate
[Hyperplasia TGLs = 6 - 14]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Liver Necrosis

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 69

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603689

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Pancreas | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Stomach, Glandular | * Testes | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- | | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

- | | | | |
|------------------------|--|----------------------------------|----------|
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | Multiple |
| | [Eosinophilic Focus TGLs = 6 - 13] | | |
| | [Hepatocellular Adenoma TGLs = 3,4-11] | | |
| | [Hepatocellular Carcinoma TGLs = 2,5-10+12] | | |
| * Lung | | Alveolar/Bronchiolar Carcinoma | |
| | [Alveolar/Bronchiolar Carcinoma TGLs = 1 - 14] | | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Nerve | Atrophy | Minimal |
| | Glands, Olfactory Epi | Dilatation | Minimal |
| | Glands, Respirat Epith | Dilatation | Minimal |
| | Respirat Epith | Hyperplasia | Minimal |
| * Spleen | | Hematopoietic Cell Proliferation | Minimal |
| | | Pigmentation | Minimal |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 69

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603689

ORGAN AND ACCOUNTABLE SITE STATUS

Inflammation

Moderate

[Hyperplasia TGLs = 7 - 15]

Atrophy

Moderate

* Thymus

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 70

TRT#: 3

SEX: Male

DAY ON TEST: 586

DOSE: 6 MG/KG

DISP: Natural Death

HISTO: 0603690

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Stomach, Glandular | * Testes | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|------------------------|---|----------------------------------|--------------------|
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Hepatocellular Carcinoma | Multiple |
| | [Hepatocellular Carcinoma TGLs = 1,2 - 10+11] | | |
| * Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Nerve | Atrophy | Minimal |
| | Respirat Epith | Hyperplasia | Minimal |
| | Vomeronas Org | Necrosis | Mild |
| | Olfactory Epi | Necrosis | Minimal |
| | Respirat Epith | Necrosis | Minimal |
| * Spleen | | Atrophy | Moderate |
| | | Hematopoietic Cell Proliferation | Moderate |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Moderate |
| | | Inflammation | Mild |
| * Thymus | | Atrophy | Marked |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 71

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603691

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Moderate
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Fatty Change TGLs = 4,6 - 13+15]		
	[Mixed Cell Focus TGLs = 2,3,5-11+12+14]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 1 - 10]		
* Nose	Nerve	Atrophy	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
	Glands, Olfactory Epi	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 72

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603692

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|----------|--|------------------------|-------------------------|
| * Kidney | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | Hepatocyte | Hypertrophy | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| | | Mixed Cell Focus | |
| | [Clear Cell Focus TGLs = 2,4,5 - 11+13+14] | | |
| | [Eosinophilic Focus TGLs = 6 - 15] | | |
| | [Hepatocellular Adenoma TGLs = 3 - 12] | | |
| * Nose | Glands, Respirat Epith | Dilatation | Minimal |
| | Respirat Epith | Hyperplasia | Minimal |
| | Glands, Respirat Epith | Hyperplasia | Minimal |
| | | Inflammation | Minimal |
| * Spleen | | Atrophy | Mild |
| | | Pigmentation | Minimal |
| * Thymus | | Atrophy | Moderate |
| Tooth | | Dysplasia | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 73

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603693

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLs = 2,3,4,5 - 11+12+13+14]		
	[Hepatocellular Carcinoma TGLs = 1 - 10]		
* Nose	Nerve	Atrophy	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Mild
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Minimal
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 74

TRT#: 3

SEX: Male

DAY ON TEST: 550

DOSE: 6 MG/KG

DISP: Natural Death

HISTO: 0603694

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thyroid Gland	Tooth	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Heart	Atrium	Thrombosis	Mild
	[Thrombosis TGLs = 3 - 12]		
* Kidney		Nephropathy	Moderate
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLs = 2-11]		
	[Hepatocellular Carcinoma TGLs = 1-10]		
* Lung	Artery	Inflammation	Moderate
	Note: Multiple vessels have fibrinoid necrosis, pavingmenting of leukocytes, and perivascular fibrin.		
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Moderate
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 75

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603695

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Stomach, Glandular | * Testes | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|--------------------------|---|-------------------------------|----------|
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Hepatoblastoma | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | Multiple |
| | [Hepatoblastoma TGLs = 2 - 11] | | |
| | [Hepatocellular Adenoma TGLs = 1,4 - 10+12] | | |
| | [Hepatocellular Carcinoma TGLs = 3,5 - 11+13] | | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| | [Lymphoma Malignant TGLs = 6 - 5] | | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Nerve | Atrophy | Minimal |
| | Glands, Respirat Epith | Dilatation | Minimal |
| * Spleen | | Lymphoma Malignant | |
| | | Pigmentation | Minimal |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Moderate |
| | [Hyperplasia TGLs = 7 -14] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 75

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603695

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Mild

Tooth

Dysplasia

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 76

TRT#: 3

SEX: Male

DAY ON TEST: 694

DOSE: 6 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603696

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hemangiosarcoma	
		Necrosis	Moderate
	[Hemangiosarcoma TGLs = 1,2 - 10+11]		
* Nose	Glands, Respirat Epith	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Mild
* Spleen		Atrophy	Mild
		Hematopoietic Cell Proliferation	Mild
* Stomach, Glandular		Inflammation	Moderate
	Epithelium	Necrosis	Mild
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 77

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603697

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Bone		Osteopetrosis	Mild
	[Osteopetrosis TGLs = 1 - 10]		
* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Cyst	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLs = 2,3 - 11+12]	Mixed Cell Focus	
	[Mixed Cell Focus TGLs = 4 - 13]		
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
	[Alveolar/Bronchiolar Adenoma TGLs = 5 -14]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
		Inflammation	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
		Polyp, Inflammatory	
* Spleen	Red Pulp	Atrophy	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
		Inflammation	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 77

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603697

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 6 - 5+15]	Ulcer	Mild
* Thymus	Atrophy	Marked
Tooth	Odontoma	

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 78

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603698

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
	[Hepatocellular Adenoma TGLs = 3 - 11]		
	[Hepatocellular Carcinoma TGLs = 2 - 10]		
	[Mixed Cell Focus TGLs = 4,5-12+13]		
* Nose	Glands, Respirat Epith	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Moderate
	[Inflammation TGLs = 1 - 8]		
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 79

TRT#: 3

SEX: Male

DAY ON TEST: 578

DOSE: 6 MG/KG

DISP: Natural Death

HISTO: 0603699

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatoblastoma	
		Inflammation	Chronic Active, Minimal
	[Hepatoblastoma TGLs = 1 - 10]		
* Lymph Node, Mandibular		Atrophy	Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Olfactory Epi	Necrosis	Minimal
* Spleen		Atrophy	Moderate
		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 80

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603700

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Bone Marrow
- * Brain
- * Eye
- * Gallbladder
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Jejunum
- * Islets, Pancreatic
- * Pancreas
- * Parathyroid Gland
- * Prostate
- * Salivary Glands
- * Stomach, Glandular
- * Testes
- * Urinary Bladder
- * Blood Vessel
- * Epididymis
- * Heart
- * Intestine Small, Duodenum
- * Lymph Node, Mandibular
- * Pituitary Gland
- * Seminal Vesicle
- * Thyroid Gland
- * Bone
- * Esophagus
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mesenteric
- * Preputial Gland
- * Stomach, Forestomach
- * Trachea

MISSING

- * Mammary Gland

OBSERVATIONS

- * Harderian Gland
 - [Adenoma TGLs = 1 - 9]
- * Kidney
 - Adenoma
 - Nephropathy
 - Clear Cell Focus
 - Eosinophilic Focus
 - Hepatocellular Adenoma
 - Inflammation
 - Mixed Cell Focus
- * Liver
 - Minimal
 - Multiple
 - Chronic Active, Minimal
- * Lung
 - [Eosinophilic Focus TGLs = 6,7 - 13+14]
 - [Hepatocellular Adenoma TGLs = 3,4,5 - 12]
 - Alveolar/Bronchiolar Adenoma
- * Nose
 - TGLs = 2 - 11]
 - Hyperplasia
- * Skin
 - Respirat Epith
 - Subcut Tiss
 - Lipoma
- * Spleen
 - [Lipoma TGLs = 8 - 10]
 - Pigmentation
- * Thymus
 - Atrophy
- Tooth
 - Dysplasia

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 81

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603701

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Moderate
		Hepatoblastoma	
		Hepatocellular Adenoma	
		Mixed Cell Focus	
		[Fatty Change TGLs = 4,5,6 - 12+13+14]	
		[Hepatoblastoma TGLs = 2 - 10]	
		[Hepatocellular Adenoma TGLs = 3 - 11]	
* Lung		Hepatoblastoma	Metastatic (Liver)
* Nose	Respirat Epith	Hyperplasia	Minimal
* Preputial Gland		Ectasia	Mild
		[Ectasia TGLs = 1 - 8]	
* Spleen		Pigmentation	Minimal
* Testes		Hyperplasia	Oncocytic, Minimal
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 82

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603702

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Harderian Gland		Hyperplasia	Marked
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
* Nose	Hepatocyte	Hypertrophy	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Moderate
* Preputial Gland		Ectasia	Mild
	[Ectasia TGLs = 1 - 8]		
* Spleen		Hyperplasia	Lymphoid, Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
	[Hyperplasia TGLs = 2 - 10]		
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 83

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603703

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
		Pigmentation	Minimal
	[Eosinophilic Focus TGLs = 2 - 10]		
	[Hepatocellular Carcinoma TGLs = 3 - 11]		
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
		Hepatocellular Carcinoma	Metastatic (Liver)
		Hyperplasia	Mild
	[Alveolar/Bronchiolar Carcinoma TGLs = 4 - 12]		
* Lymph Node, Mesenteric		Atrophy	Marked
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Spleen		Atrophy	Moderate
		Hematopoietic Cell Proliferation	Moderate
	[Hematopoietic Cell Proliferation TGLs = 1 - 4]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 83

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603703

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Moderate
[Hyperplasia TGLs = 5 - 13]			
* Thymus		Atrophy	Marked
Tooth		Dysplasia	

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 84

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603704

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|--|-----------------------|-------------------------------|----------|
| * Harderian Gland | | Adenoma | |
| [Adenoma TGLs = 8 - 9] | | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Islets, Pancreatic | | Adenoma | Multiple |
| [Adenoma TGLs = 9 - 16] | | | |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | | Mixed Cell Focus | |
| [Eosinophilic Focus TGLs = 7 - 15] | | | |
| [Hepatocellular Adenoma TGLs = 1,3,4,5 - 10+12+13] | | | |
| [Hepatocellular Carcinoma TGLs = 2 - 11] | | | |
| [Mixed Cell Focus TGLs = 6 - 14] | | | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Glands, Olfactory Epi | Dilatation | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 84

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603704

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Hyperplasia	Minimal
	Glands, Olfactory Epi	Hyperplasia	Minimal
		Inflammation	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
	Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 85

TRT#: 3

SEX: Male

DAY ON TEST: 704

DOSE: 6 MG/KG

DISP: Natural Death

HISTO: 0603705

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Bone Marrow
- * Brain
- * Gallbladder
- * Harderian Gland
- * Intestine Large, Rectum
- * Intestine Small, Duodenum
- * Islets, Pancreatic
- * Lymph Node, Mandibular
- * Parathyroid Gland
- * Pituitary Gland
- * Salivary Glands
- * Seminal Vesicle
- * Testes
- * Thyroid Gland
- Blood Vessel
- * Esophagus
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mesenteric
- * Preputial Gland
- * Skin
- * Trachea
- * Bone
- * Eye
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Pancreas
- * Prostate
- * Stomach, Glandular
- * Urinary Bladder

MISSING

- * Mammary Gland

OBSERVATIONS

- * Epididymis
 - [Granuloma Sperm TGLs = 3 - 7]
- * Heart
 - Granuloma Sperm Moderate
- * Kidney
 - Cardiomyopathy Minimal
 - Nephropathy Minimal
- * Liver
 - Eosinophilic Focus
 - Hepatocellular Carcinoma
- * Lung
 - [Eosinophilic Focus TGLs = 5 - 11]
 - [Hepatocellular Carcinoma TGLs = 1 - 10]
 - Alveolar/Bronchiolar Adenoma
- * Nose
 - [Alveolar/Bronchiolar Adenoma TGLs = 2 - 11]
 - Glands, Respirat Epith
 - Respirat Epith
 - Dilatation Minimal
 - Hyperplasia Minimal
- * Spleen
 - Hematopoietic Cell Proliferation Mild
 - Pigmentation Minimal
- * Stomach, Forestomach
 - Epithelium
 - Hyperplasia Moderate
 - Inflammation Moderate
 - Ulcer Mild
- * Thymus
 - [Hyperplasia TGLs = 4 - 12]
 - Atrophy Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 85

TRT#: 3

SEX: Male

DAY ON TEST: 704

DOSE: 6 MG/KG

DISP: Natural Death

HISTO: 0603705

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth

Dysplasia

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 86

TRT#: 3

SEX: Male

DAY ON TEST: 702

DOSE: 6 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603706

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Eye	Optic Nerve	Atrophy	Mild
	Cornea	Inflammation	Mild
* Harderian Gland		Carcinoma	
	[Carcinoma TGLs = 1 - 9]		
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
	Hepatocyte	Hepatocellular Adenoma	Multiple
		Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Clear Cell Focus TGLs = 6,7 - 13+14]		
	[Eosinophilic Focus TGLs = 4 - 11]		
	[Hepatocellular Adenoma TGLs = 2,3,5 - 10+12]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Nose	Glands, Respirat Epith	Dilatation	Minimal
* Spleen		Hyperplasia	Lymphoid, Minimal
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 86

TRT#: 3

SEX: Male

DAY ON TEST: 702

DOSE: 6 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603706

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Moderate

Tooth

Dysplasia

PRIMARY CAUSE OF DEATH

- Harderian Gland Carcinoma

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 87

TRT#: 3

SEX: Male

DAY ON TEST: 666

DOSE: 6 MG/KG

DISP: Natural Death

HISTO: 0603707

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Harderian Gland		Adenoma	
[Adenoma TGLs = 1 - 9]			
* Kidney	Cortex	Cyst	Mild
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Minimal
		Mixed Cell Focus	
[Clear Cell Focus TGLs = 4 - 12]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLs = 3 - 11]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 2 - 10]			
* Nose	Glands, Respirat Epith	Dilatation	Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 88

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603708

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Medulla
- * Brain
- * Gallbladder
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mesenteric
- * Preputial Gland
- * Skin
- * Thyroid Gland
- Blood Vessel
- * Epididymis
- * Harderian Gland
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Pancreas
- * Prostate
- * Stomach, Forestomach
- * Trachea
- * Bone
- * Esophagus
- * Heart
- * Intestine Small, Duodenum
- * Kidney
- * Parathyroid Gland
- * Salivary Glands
- * Stomach, Glandular
- * Urinary Bladder
- * Bone Marrow
- * Eye
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mandibular
- * Pituitary Gland
- * Seminal Vesicle
- * Testes

MISSING

- * Mammary Gland

OBSERVATIONS

- * Adrenal Cortex
- * Liver
- Bile Duct
- [Eosinophilic Focus TGLs = 3,6 - 12+15]
- [Hepatocellular Adenoma TGLs = 2 - 11]
- [Hepatocellular Carcinoma TGLs = 1 - 10]
- [Mixed Cell Focus TGLs = 7 -16]
- * Lung
- Alveolar Epith
- Note: Macrophages in the lung contain abundant hemosiderin.
- Note: TGL 5 = NCL (No Correlating Lesion)
- [Alveolar/Bronchiolar Carcinoma TGLs = 4 - 13]
- * Nose
- Respirat Epith
- Glands, Olfactory Epi
- Hypertrophy
- Eosinophilic Focus
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- Hyperplasia
- Mitotic Alteration
- Mixed Cell Focus
- Alveolar/Bronchiolar Carcinoma
- Hyperplasia
- Accumulation, Hyaline Droplet
- Dilatation
- Minimal
- Minimal
- Minimal
- Minimal
- Minimal
- Minimal
- Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 88

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603708

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 89

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603709

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hemangiosarcoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Hemangiosarcoma TGLs = 4 - 13]		
	[Hepatocellular Adenoma TGLs = 5 - 14]		
	[Hepatocellular Carcinoma TGLs = 2 - 11]		
	[Mixed Cell Focus TGLs = 3 - 12]		
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
	[Alveolar/Bronchiolar Adenoma TGLs = 6 - 15]		
Mesentery	Fat	Necrosis	Minimal
	[Necrosis TGLs = 1 - 10]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 89

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603709

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Atrophy	Moderate
		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Moderate
	[Hyperplasia TGLs = 7 - 16]		
* Thymus		Atrophy	Marked
Tooth		Dysplasia	

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 90

TRT#: 3

SEX: Male

DAY ON TEST: 555

DOSE: 6 MG/KG

DISP: Natural Death

HISTO: 0603710

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Heart	Mineralization	Minimal
* Kidney	Mineralization	Minimal
	Nephropathy	Minimal
* Liver	Necrosis	Moderate
* Lymph Node, Mesenteric	Atrophy	Minimal
* Prostate	Inflammation	Mild
* Spleen	Atrophy	Minimal
	Pigmentation	Minimal
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Necrosis

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 91

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603711

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Infarct	Mild
		Mineralization	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	Hepatocyte	Hypertrophy	Minimal
		Mixed Cell Focus	
	[Hepatocellular Adenoma TGLs = 2,3,4,5,6 - 10+11+12+13]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Glands, Olfactory Epi	Dilatation	Minimal
	Glands, Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
	Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal
* Pancreas		Atrophy	Minimal
* Preputial Gland		Ectasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 91

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603711

ORGAN AND ACCOUNTABLE SITE STATUS

[Ectasia TGLs = 1 - 8]		
* Spleen	Hyperplasia	Lymphoid, Mild
	Pigmentation	Minimal
* Stomach, Forestomach	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLs = 7 - 14]		
* Thymus	Atrophy	Marked

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 92

TRT#: 3

SEX: Male

DAY ON TEST: 568

DOSE: 6 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603712

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

Coagulating Gland	Inflammation	Mild
Note: Coagulating gland inflammation was noted in routine section of seminal vesicles.		
* Kidney	Inflammation	Moderate
[Inflammation TGLs = 3 - 4]		
* Liver	Basophilic Focus	
	Fatty Change	Mild
	Fibrous Histiocytoma	Metastatic (Skin)
	Hepatocellular Adenoma	Multiple
	Mineralization	Minimal
	Mixed Cell Focus	
	Necrosis	Mild
Note: Hepatocellular adenoma TGL-7 is necrotic.		
[Hepatocellular Adenoma TGLs = 4,6,7 - 12+13+14]		
[Mixed Cell Focus TGLs = 5 - 13]		
[Necrosis TGLs = 8 - 14]		
* Lung	Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLs = 9 - 15]		
* Lymph Node, Mandibular	Atrophy	Minimal
* Lymph Node, Mesenteric	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 92

TRT#: 3

SEX: Male

DAY ON TEST: 568

DOSE: 6 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603712

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Glands, Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
	Glands, Respirat Epith	Metaplasia	Respiratory, Minimal
* Preputial GI			
Note: Fibrous histiocytoma arose in region of preputial glands and prepuce, causing obstruction and urethral rupture.			
* Seminal Vesicle		Inflammation	Minimal
* Skin	Subcut Tiss	Fibrous Histiocytoma	
	[Fibrous Histiocytoma TGLs = 1 - 10]		
* Spleen		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Mild
		Ulcer	Mild
* Thymus		Atrophy	Marked
Urethra		Inflammation	Moderate
		Necrosis	Minimal

Note: Urethral rupture with hemorrhage and inflammation caused TGL-10.

[Inflammation TGLs = 10 - 11]

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibrous Histiocytoma

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 93

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603713

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Intestine Small, Jejunum [Hyperplasia TGLs = 6 - 15]	Peyers Patch	Hyperplasia	Moderate
* Liver [Eosinophilic Focus TGLs = 4 - 13] [Hepatocellular Adenoma TGLs = 1,2,3-10+11+12]		Clear Cell Focus Eosinophilic Focus Hepatocellular Adenoma Mixed Cell Focus	Multiple
* Lung [Alveolar/Bronchiolar Adenoma TGLs = 5 - 14]		Alveolar/Bronchiolar Adenoma	
* Spleen		Atrophy Hematopoietic Cell Proliferation Pigmentation	Moderate Minimal Mild
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603714

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Testes | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|-------------------|---|-------------------------------|-------------------------|
| * Harderian Gland | | Adenoma | |
| | [Adenoma TGLs = 3-9] | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | Hepatocyte | Hypertrophy | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| | | Mixed Cell Focus | |
| | [Hepatocellular Adenoma TGLs = 1,4-10+12] | | |
| | [Mixed Cell Focus TGLs = 2-11] | | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Respirat Epith | Hyperplasia | Minimal |
| * Spleen | | Hyperplasia | Lymphoid, Minimal |
| | | Pigmentation | Minimal |
| * Thymus | | Atrophy | Moderate |
| Tooth | | Dysplasia | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANATOMY PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 95

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603715

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Seminal Vesicle | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|-------------------|---|-------------------------------|-------------------------|
| * Bone Marrow | | Hyperplasia | Minimal |
| * Kidney | | Hepatocellular Carcinoma | Metastatic (Liver) |
| | | Nephropathy | Minimal |
| | [Hepatocellular Carcinoma TGLs = 4 - 13] | | |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Carcinoma | Multiple |
| | | Inflammation | Chronic Active, Minimal |
| | [Eosinophilic Focus TGLs = 2,9 - 11+16] | | |
| | [Hepatocellular Carcinoma TGLs = 1,3 - 10+12] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | | Hepatocellular Carcinoma | Metastatic (Liver) |
| | | Hyperplasia | Minimal |
| | Alveolar Epith | | |
| | [Alveolar/Bronchiolar Adenoma TGLs = 5 - 14] | | |
| | [Hepatocellular Carcinoma TGLs = 6,7,8-15] | | |
| * Nose | Olfactory Epi | Accumulation, Hyaline Droplet | Minimal |
| | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| * Salivary Glands | | Hepatocellular Carcinoma | Metastatic (Liver) |

Note: Tumor nodule in connective tissue near salivary glands most resembles the tumor in B03 of lung.

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 95

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603715

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Atrophy

Minimal

Hematopoietic Cell Proliferation

Moderate

* Thymus

Atrophy

Moderate

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 96

TRT#: 3

SEX: Male

DAY ON TEST: 599

DOSE: 6 MG/KG

DISP: Natural Death

HISTO: 0603716

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Harderian Gland		Adenoma	
* Kidney		Mineralization	Minimal
	Papilla	Necrosis	Mild
	[Necrosis TGLs = 2 - 4]		
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
	[Basophilic Focus TGLs = 3 - 10]		
	[Eosinophilic Focus TGLs = 4 - 11]		
	[Hepatocellular Carcinoma TGLs = 6 - 13]		
	[Mixed Cell Focus TGLs = 5 - 12]		
* Nose	Glands, Respirat Epith	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Mild
* Spleen		Atrophy	Minimal
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 96

TRT#: 3

SEX: Male

DAY ON TEST: 599

DOSE: 6 MG/KG

DISP: Natural Death

HISTO: 0603716

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth

Dysplasia

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Tooth Dysplasia

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 97

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603717

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Stomach, Glandular | * Testes |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|------------------------|---|--------------------------|-------------------------|
| * Liver | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Carcinoma | Multiple |
| | | Inflammation | Chronic Active, Minimal |
| | [Hepatocellular Carcinoma TGLs = 2,3 - 10+11] | | |
| * Nose | Respirat Epith | Hyperplasia | Minimal |
| * Preputial Gland | | Ectasia | Mild |
| | [Ectasia TGLs = 1 - 8] | | |
| * Spleen | | Pigmentation | Minimal |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Moderate |
| | | Inflammation | Moderate |
| | | Ulcer | Mild |
| | [Hyperplasia TGLs = 4 - 12] | | |
| * Thymus | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 98

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603718

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

OBSERVATIONS

* Harderian Gland		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Eosinophilic Focus TGLs = 7 - 15]		
	[Hepatocellular Adenoma TGLs = 3,4,6 - 11+12+14]		
	[Mixed Cell Focus TGLs = 5 - 13]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
		Hyperplasia	Minimal
* Skin		Inflammation	Moderate
		Ulcer	Moderate
	[Ulcer TGLs = 1,2 - 10]		
* Spleen		Pigmentation	Minimal
* Stomach, Forestomach		Erosion	Mild
	Epithelium	Hyperplasia	Marked
		Inflammation	Mild
	[Hyperplasia TGLs = 8 - 16]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 98

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603718

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Moderate

Tooth

Dysplasia

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 99

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603719

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Bone Marrow
- * Brain
- * Eye
- * Gallbladder
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Lymph Node, Mandibular
- * Pancreas
- * Preputial Gland
- * Prostate
- * Skin
- * Stomach, Forestomach
- * Thyroid Gland
- * Trachea
- Blood Vessel
- * Epididymis
- * Harderian Gland
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Parathyroid Gland
- * Salivary Glands
- * Stomach, Glandular
- * Urinary Bladder
- * Bone
- * Esophagus
- * Heart
- * Intestine Small, Duodenum
- * Lung
- * Pituitary Gland
- * Seminal Vesicle
- * Testes

MISSING

- * Mammary Gland

OBSERVATIONS

- * Kidney
- Nephropathy
- Minimal
- * Liver
- Clear Cell Focus
- Eosinophilic Focus
- Hepatocellular Adenoma
- Multiple
- Inflammation
- Chronic Active, Minimal
- Lymphoma Malignant
- Mixed Cell Focus
- Necrosis
- Minimal
- [Eosinophilic Focus TGLs = 4 - 12]
- [Hepatocellular Adenoma TGLs = 2,3 - 10+11]
- Lymph Node
- Pancreatic
- Mediastinal
- Lymphoma Malignant
- Lymphoma Malignant
- Note: Mediastinal lymph node lesion observed in routine section (B06) with thymus.
- [Lymphoma Malignant TGLs = 6 - 14]
- * Lymph Node, Mesenteric
- Lymphoma Malignant
- [Lymphoma Malignant TGLs = 5 - 13]
- * Nose
- Respirat Epith
- Accumulation, Hyaline Droplet
- Minimal
- Olfactory Epi
- Accumulation, Hyaline Droplet
- Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 99

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603719

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Respirat Epith	Hyperplasia	Minimal
[Lymphoma Malignant TGLs = 1 - 4]		Lymphoma Malignant	
* Thymus		Atrophy	Marked
Tooth		Dysplasia	

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 100

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603720

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Pancreas	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Epididymis		Granuloma Sperm	Mild
* Harderian Gland		Adenoma	
* Kidney		Infarct	Minimal
		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
	Hepatocyte	Hepatocellular Adenoma	
		Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
	[Hepatocellular Adenoma TGLs = 3 - 11]		
* Lung	Alveolar Epith	Hyperplasia	Mild
	[Hyperplasia TGLs = 4 - 12]		
* Lymph Node, Mesenteric		Atrophy	Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Preputial Gland		Ectasia	Mild
	[Ectasia TGLs = 1 - 8]		
* Spleen		Hyperplasia	Lymphoid, Mild
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 100

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603720

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 101

TRT#: 5

SEX: Male

DAY ON TEST: 655

DOSE: 20 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603721

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Carcinoma TGLs = 2,3 - 10+11]		
* Preputial Gland		Ectasia	Mild
	[Ectasia TGLs = 1- 8]		
* Spleen		Atrophy	Mild
		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 102

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603722

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Blood Vessel
- * Bone
- * Bone Marrow
- * Brain
- * Epididymis
- * Esophagus
- * Eye
- * Gallbladder
- * Harderian Gland
- * Heart
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Duodenum
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Islets, Pancreatic
- * Lung
- * Lymph Node, Mesenteric
- * Pancreas
- * Parathyroid Gland
- * Pituitary Gland
- * Prostate
- * Salivary Glands
- * Seminal Vesicle
- * Skin
- * Stomach, Forestomach
- * Stomach, Glandular
- * Testes
- * Thyroid Gland
- * Trachea
- * Urinary Bladder

MISSING

- * Mammary Gland

OBSERVATIONS

- * Kidney
 - Nephropathy
 - Clear Cell Focus
 - Eosinophilic Focus
 - Hepatocellular Adenoma
 - Hepatocellular Carcinoma
 - Hypertrophy
 - Mixed Cell Focus
- * Liver
 - Mild
 - Multiple
 - Mild
- [Eosinophilic Focus TGLs = 6 - 13]
- [Hepatocellular Adenoma TGLs = 2-4]
- [Hepatocellular Carcinoma TGLs = 3,4-10+11]
- [Mixed Cell Focus TGLs = 5 - 12]
- * Lymph Node, Mandibular
 - Hyperplasia
 - Lymphoid, Mild
- * Nose
 - Respirat Epith
 - Accumulation, Hyaline Droplet
 - Minimal
 - Respirat Epith
 - Hyperplasia
 - Minimal
 - Ectasia
 - Mild
- * Preputial Gland
 - [Ectasia TGLs = 1 - 8]
- * Spleen
 - Hyperplasia
 - Lymphoid, Marked
 - Pigmentation
 - Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 102

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603722

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Mild

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 103

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603723

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

- | | |
|-----------------|----------|
| * Mammary Gland | * Thymus |
|-----------------|----------|

OBSERVATIONS

- | | | | |
|--------------|---|-------------------------------|----------|
| * Epididymis | | Hemangiosarcoma | |
| | [Hemangiosarcoma TGLs = 1 - 7] | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | Hepatocyte | Hypertrophy | Mild |
| | | Mixed Cell Focus | |
| | [Hepatocellular Adenoma TGLs = 2,3,4,5 - 10+11+12+13] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | [Alveolar/Bronchiolar Adenoma TGLs = 6 - 14] | | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Olfactory Epi | Accumulation, Hyaline Droplet | Minimal |
| | Respirat Epith | Hyperplasia | Minimal |
| * Spleen | | Hemangiosarcoma | |
| | | Pigmentation | Mild |
| * Testes | Germinal Epith | Degeneration | Mild |
| | Germinal Epith | Mineralization | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 103

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603723

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth

Dysplasia

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 104

TRT#: 5

SEX: Male

DAY ON TEST: 598

DOSE: 20 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603724

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Bone Marrow
- * Brain
- * Eye
- * Gallbladder
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Lymph Node, Mandibular
- * Lymph Node, Mesenteric
- * Preputial Gland
- * Prostate
- * Skin
- * Stomach, Forestomach
- * Thyroid Gland
- * Trachea
- Blood Vessel
- * Epididymis
- * Harderian Gland
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Parathyroid Gland
- * Salivary Glands
- * Stomach, Glandular
- * Urinary Bladder
- * Bone
- * Esophagus
- * Heart
- * Intestine Small, Duodenum
- * Lung
- * Pituitary Gland
- * Seminal Vesicle
- * Testes

MISSING

- * Mammary Gland

OBSERVATIONS

- * Kidney
 - Mineralization Minimal
 - Nephropathy Minimal
- * Liver
 - Clear Cell Focus
 - Eosinophilic Focus
 - Hepatocellular Adenoma Multiple
 - Hepatocyte Hypertrophy Moderate
 - Inflammation Chronic Active, Minimal
 - Mixed Cell Focus
- [Eosinophilic Focus TGLs = 4,7 - 5+12]
- [Hepatocellular Adenoma TGLs = 2,3,6 - 11+12+13]
- [Mixed Cell Focus TGLs = 5,8 - 4+14]
- * Nose
 - Olfactory Epi Accumulation, Hyaline Droplet Minimal
 - Inflammation Minimal
 - Olfactory Epi Metaplasia Respiratory, Minimal
 - Duct Cyst Marked
- * Pancreas
 - [Cyst TGLs = 1 - 10]
- * Spleen
 - Pigmentation Minimal
- * Thymus
 - Atrophy Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 104

TRT#: 5

SEX: Male

DAY ON TEST: 598

DOSE: 20 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603724

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pancreas Duct Cyst

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 105

TRT#: 5

SEX: Male

DAY ON TEST: 548

DOSE: 20 MG/KG

DISP: Natural Death

HISTO: 0603725

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Kidney | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|----------------------|-----------------------------------|------------------------|----------------------|
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | | Mixed Cell Focus | |
| * Nose | Glands, Respirat Epith | Dilatation | Minimal |
| | Glands, Respirat Epith | Hyperplasia | Minimal |
| | | Inflammation | Minimal |
| | Glands, Respirat Epith | Metaplasia | Respiratory, Minimal |
| | Olfactory Epi | Metaplasia | Respiratory, Minimal |
| | Olfactory Epi | Necrosis | Minimal |
| * Spleen | | Hemangiosarcoma | |
| | [Hemangiosarcoma TGLs = 1 - 10] | | |
| * Thymus | | Atrophy | Mild |
| Tooth | | Dysplasia | |

PRIMARY CAUSE OF DEATH - Spleen Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 106

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603726

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Pancreas | * Parathyroid Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Stomach, Glandular | * Testes | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- | | |
|-----------------|-------------------|
| * Mammary Gland | * Pituitary Gland |
|-----------------|-------------------|

OBSERVATIONS

- | | | | |
|------------------------|---|-------------------------------|-------------------------|
| * Kidney | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | Multiple |
| | Hepatocyte | Hypertrophy | Mild |
| | | Inflammation | Chronic Active, Minimal |
| | [Hepatocellular Adenoma TGLs = 2,3,4 - 5+10+12] | | |
| | [Hepatocellular Carcinoma TGLs = 1,5 - 10+11] | | |
| * Nose | Olfactory Epi | Accumulation, Hyaline Droplet | Minimal |
| * Spleen | | Hyperplasia | Lymphoid, Mild |
| | | Pigmentation | Minimal |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Mild |
| | | Inflammation | Mild |
| | [Hyperplasia TGLs = 6 - 13] | | |
| * Thymus | | Atrophy | Moderate |
| Tooth | | Dysplasia | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 107

TRT#: 5

SEX: Male

DAY ON TEST: 688

DOSE: 20 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603727

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Gallbladder	* Mammary Gland
---------------	-----------------

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
		Mineralization	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatoblastoma	Multiple
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	Hepatocyte	Hypertrophy	Mild
		Necrosis	Moderate
Note: Two small additional hepatoblastomas are arising in TGL-2 adenoma.			
			[Hepatoblastoma TGLs = 1 - 10+11]
			[Hepatocellular Adenoma TGLs = 2 - 12]
			[Hepatocellular Carcinoma TGLs = 3 - 13]
			[Necrosis TGLs = 4,5 - 4+12+13+14]
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma		TGLs = 6 - 15]
* Lymph Node, Mesenteric		Atrophy	Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 107

TRT#: 5

SEX: Male

DAY ON TEST: 688

DOSE: 20 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603727

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Marked
* Prostate		Inflammation	Minimal
* Spleen		Atrophy	Moderate
		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Marked
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 108

TRT#: 5

SEX: Male

DAY ON TEST: 693

DOSE: 20 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603728

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
	[Hepatocellular Carcinoma TGLs = 3 - 11]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	Lymph Node	Hemangiosarcoma	
	[Hemangiosarcoma TGLs = 2 - 10]		
* Lymph Node, Mandibular		Atrophy	Minimal
* Lymph Node, Mesenteric		Atrophy	Moderate
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Spleen		Atrophy	Minimal
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Moderate
		Ulcer	Minimal
	[Hyperplasia TGLs = 5 - 10]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 108

TRT#: 5

SEX: Male

DAY ON TEST: 693

DOSE: 20 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603728

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

Tooth

Dysplasia

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 109

TRT#: 5

SEX: Male

DAY ON TEST: 512

DOSE: 20 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603729

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Histiocytic Sarcoma	
* Bone Marrow		Hyperplasia	Mild
* Brain		Necrosis	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Moderate
		Pigmentation	Mild
* Liver	Centrilobular	Degeneration	Moderate
		Hematopoietic Cell Proliferation	Moderate
		Hepatoblastoma	
		Hepatocellular Carcinoma	
		Histiocytic Sarcoma	
	Oval Cell	Hyperplasia	Mild
	[Hepatoblastoma TGLs = 1 - 10]		
	[Hepatocellular Carcinoma TGLs = 2 - 11]		
	[Histiocytic Sarcoma TGLs = 3 - 10]		
* Lung		Histiocytic Sarcoma	
	Note: Fibrin, PMNs, and macrophages are on pleural surface.		
Lymph Node	Mediastinal	Histiocytic Sarcoma	
* Lymph Node, Mesenteric		Histiocytic Sarcoma	
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 109

TRT#: 5

SEX: Male

DAY ON TEST: 512

DOSE: 20 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603729

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Histiocytic Sarcoma	
[Histiocytic Sarcoma	TGLs = 4 - 12]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pancreas Histiocytic Sarcoma

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 110

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603730

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hemangiosarcoma	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
	[Hemangiosarcoma TGLs = 3 - 12]		
	[Hepatocellular Adenoma TGLs = 1,2-10+11]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Nose	Glands, Respirat Epith	Dilatation	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Mild
Tooth		Dysplasia	

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 111

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603731

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Renal Tubule	Necrosis Nephropathy	Mild Minimal
* Liver		Eosinophilic Focus Hemangiosarcoma Hepatoblastoma Hepatocellular Adenoma	
		[Eosinophilic Focus TGLs = 2 - 11] [Hemangiosarcoma TGLs = 3 - 12] [Hepatoblastoma TGLs = 1 - 10]	
* Lymph Node, Mandibular		Atrophy	Minimal
* Nose	Respirat Epith	Hyperplasia	Minimal
* Spleen		Atrophy Hematopoietic Cell Proliferation	Mild Moderate
* Thymus		Atrophy	Marked
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 112

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603732

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Bone Marrow
- * Brain
- * Eye
- * Gallbladder
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Jejunum
- * Islets, Pancreatic
- * Parathyroid Gland
- * Pituitary Gland
- * Salivary Glands
- * Seminal Vesicle
- * Stomach, Glandular
- * Testes
- * Urinary Bladder
- Blood Vessel
- * Epididymis
- * Harderian Gland
- * Intestine Small, Duodenum
- * Kidney
- * Preputial Gland
- * Skin
- * Thyroid Gland
- * Bone
- * Esophagus
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Pancreas
- * Prostate
- * Stomach, Forestomach
- * Trachea

MISSING

- * Lymph Node, Mandibular
- * Mammary Gland

OBSERVATIONS

- * Heart
 - Cardiomyopathy
 - Hematopoietic Cell Proliferation
 - Hepatocellular Adenoma
 - Hepatocellular Carcinoma
 - Pigmentation
- * Liver
 - Minimal
 - Mild
 - Multiple
 - Multiple
 - Mild
- * Lung
 - [Hepatocellular Adenoma TGLs = 3,4 - 3+12]
 - [Hepatocellular Carcinoma TGLs = 1,2 - 10+11]
 - Alveolar/Bronchiolar Adenoma
- * Lymph Node, Mesenteric
 - [Alveolar/Bronchiolar Adenoma TGLs = 5 - 12]
 - Atrophy
- * Nose
 - Glands, Olfactory Epi
 - Hyperplasia
 - Inflammation
- * Spleen
 - Glands, Olfactory Epi
 - Metaplasia
 - Atrophy
 - Hematopoietic Cell Proliferation
 - Pigmentation
- * Thymus
 - Atrophy
- Tooth
 - Dysplasia

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 113

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603733

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	Hepatocyte	Hypertrophy	Mild
	[Clear Cell Focus TGLs = 5 - 15]		
	[Eosinophilic Focus TGLs = 2,6 - 12+16]		
	[Hepatocellular Adenoma TGLs = 2,3,4 - 11+13+14]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLs = 1 - 10]		
* Nose		Accumulation, Hyaline Droplet	Minimal
	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Hyperplasia	Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
	Respirat Epith	Pigmentation	Minimal
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 114

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603734

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mesenteric	* Mammary Gland
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
		Pigmentation	Mild
* Lung	[Hepatocellular Carcinoma TGLs = 1,2,3,4,5-10+11+12+13+14]	Hepatoblastoma	Metastatic (Liver)
		Hepatocellular Carcinoma	Metastatic (Liver)
	[Hepatoblastoma TGLs = 7 - 16]		
	[Hepatocellular Carcinoma TGLs = 6,8,10 - 15+18]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Mild
	[Hyperplasia TGLs = 9 - 17]		
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 115

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603735

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Nephropathy	Mild
* Liver	Eosinophilic Focus	
	Hepatocellular Adenoma	
	Necrosis	Mild
	[Hepatocellular Adenoma TGLs = 2 - 11]	
	[Necrosis TGLs = 1 - 10]	
* Spleen	Hematopoietic Cell Proliferation	Mild
	Pigmentation	Minimal
* Thymus	Atrophy	Mild
Tooth	Dysplasia	

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 116

TRT#: 5

SEX: Male

DAY ON TEST: 655

DOSE: 20 MG/KG

DISP: Natural Death

HISTO: 0603736

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Hemangiosarcoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	[Hemangiosarcoma TGLs = 5,6,7-12+13+14]		
	[Hepatocellular Adenoma TGLs = 4 - 11]		
	[Hepatocellular Carcinoma TGLs = 3 - 10]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLs = 8 - 15]		
* Lymph Node, Mesenteric		Atrophy	Mild
* Nose	Glands, Olfactory Epi	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Glands, Olfactory Epi	Hyperplasia	Minimal
		Inflammation	Minimal
* Spleen		Hemangiosarcoma	
	[Hemangiosarcoma TGLs = 2 - 10]		
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 116

TRT#: 5

SEX: Male

DAY ON TEST: 655

DOSE: 20 MG/KG

DISP: Natural Death

HISTO: 0603736

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth

Dysplasia

PRIMARY CAUSE OF DEATH

- Spleen Hemangiosarcoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 117

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603737

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|----------|---|------------------------|----------|
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | Hepatocyte | Hypertrophy | Minimal |
| | [Clear Cell Focus TGLs = 1 - 10] | | |
| | [Eosinophilic Focus TGLs = 4 - 12] | | |
| | [Hepatocellular Adenoma TGLs = 2,3 - 11+12] | | |
| * Lung | Alveolar Epith | Hyperplasia | Minimal |
| * Nose | Glands, Respirat Epith | Dilatation | Minimal |
| | Respirat Epith | Hyperplasia | Minimal |
| * Spleen | | Pigmentation | Minimal |
| * Thymus | | Atrophy | Moderate |
| Tooth | | Dysplasia | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 118

TRT#: 5

SEX: Male

DAY ON TEST: 672

DOSE: 20 MG/KG

DISP: Natural Death

HISTO: 0603738

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
		Necrosis	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hemangiosarcoma	
		Hepatocellular Adenoma	Multiple
	[Hemangiosarcoma TGLs = 5,7-13+14]		
	[Hepatocellular Adenoma TGLs = 2,3,4,6 - 10+11+12+13]		
* Lung	Alveolar Epith	Hyperplasia	Mild
Mesentery	Fat	Necrosis	Minimal
	[Necrosis TGLs = 1 - 10]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Nerve	Atrophy	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Mild
	Glands, Olfactory Epi	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 118

TRT#: 5

SEX: Male

DAY ON TEST: 672

DOSE: 20 MG/KG

DISP: Natural Death

HISTO: 0603738

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Glands, Olfactory Epi	Inflammation Metaplasia Hematopoietic Cell Proliferation	Minimal Respiratory, Minimal Minimal
* Thymus		Pigmentation	Minimal
Tooth		Atrophy Dysplasia	Moderate

PRIMARY CAUSE OF DEATH - Liver Hemangiosarcoma

CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Adenoma

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 119

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603739

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 3,4,5 - 12+13+14]		
	[Hepatocellular Carcinoma TGLs = 2 - 10+11]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Preputial Gland		Ectasia	Mild
	[Ectasia TGLs = 1 - 8]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 120

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603740

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Eye	Cornea	Inflammation	Minimal
* Harderian Gland		Adenoma	
	[Adenoma TGLs = 3 - 9]		
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 4 - 12]		
	[Hepatocellular Adenoma TGLs = 1 - 10]		
	[Hepatocellular Carcinoma TGLs = 2 - 11]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLs = 5 - 12]		
* Lymph Node, Mandibular		Atrophy	Minimal
* Lymph Node, Mesenteric		Atrophy	Moderate
* Nose	Glands, Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Spleen		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 120

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603740

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Hematopoietic Cell Proliferation

Moderate

Pigmentation

Minimal

Atrophy

Marked

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 121

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603741

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Adenoma	
[Adenoma TGLs = 7 - 6]			
* Kidney	Cortex	Cyst	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
[Hepatocellular Adenoma TGLs = 1,2,3,6-10+11+13]			
[Hepatocellular Carcinoma TGLs = 4,5-12]			
* Nose	Respirat Epi	Accumulation, Hyaline Droplet	Minimal
	Glands, Olfactory Epi	Dilatation	Minimal
	Respirat Epi	Hyperplasia	Mild
	Glands, Olfactory Epi	Hyperplasia	Minimal
	Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal
* Spleen		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 121

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603741

ORGAN AND ACCOUNTABLE SITE STATUS

Inflammation

Mild

[Hyperplasia TGLs = 8 - 14]

Atrophy

Moderate

* Thymus

Tooth

Dysplasia

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 122

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603742

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hemangiosarcoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 5,6 -13+14]		
	[Hepatocellular Adenoma TGLs = 4,7 - 12+15]		
	[Hepatocellular Carcinoma TGLs = 3 - 11]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
	[Hyperplasia TGLs = 8 - 16]		
* Lymph Node, Mandibular		Atrophy	Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Spleen		Hemangiosarcoma	Multiple
	[Hemangiosarcoma TGLs = 1,2 - 10]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 122

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603742

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 9 - 17]

* Thymus

Atrophy

Marked

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 123

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603743

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Blood Vessel
- * Bone Marrow
- * Brain
- * Epididymis
- * Eye
- * Gallbladder
- * Harderian Gland
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Islets, Pancreatic
- * Lymph Node, Mandibular
- * Lymph Node, Mesenteric
- * Pancreas
- * Pituitary Gland
- * Prostate
- * Salivary Glands
- * Skin
- * Stomach, Glandular
- * Testes
- * Trachea
- * Urinary Bladder
- * Bone
- * Esophagus
- * Heart
- * Intestine Small, Duodenum
- * Lung
- * Parathyroid Gland
- * Seminal Vesicle
- * Thyroid Gland

MISSING

- * Mammary Gland

OBSERVATIONS

- * Kidney
 - Nephropathy
 - Clear Cell Focus
 - Eosinophilic Focus
 - Hemangiosarcoma
 - Hepatocellular Adenoma
 - Mixed Cell Focus
- * Liver
 - Minimal
 - Multiple
- [Clear Cell Focus TGLs = 7 - 14]
- [Hemangiosarcoma TGLs = 4 - 11]
- [Hepatocellular Adenoma TGLs = 2,3,5,6 - 10+11+12+13]
- * Nose
 - Olfactory Epi
 - Accumulation, Hyaline Droplet
- * Preputial Gland
 - Ectasia
 - Mild
- [Ectasia TGLs = 1 - 8]
- * Spleen
 - Hyperplasia
 - Pigmentation
 - Lymphoid, Minimal
 - Minimal
- * Stomach, Forestomach
 - Epithelium
 - Hyperplasia
 - Minimal
- * Thymus
 - Atrophy
 - Moderate
- Tooth
 - Dysplasia

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 124

TRT#: 5

SEX: Male

DAY ON TEST: 669

DOSE: 20 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603744

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Blood Vessel
- * Bone
- * Brain
- * Epididymis
- * Esophagus
- * Eye
- * Gallbladder
- * Harderian Gland
- * Heart
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Duodenum
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Islets, Pancreatic
- * Kidney
- * Lymph Node, Mandibular
- * Lymph Node, Mesenteric
- * Pancreas
- * Parathyroid Gland
- * Pituitary Gland
- * Preputial Gland
- * Prostate
- * Salivary Glands
- * Seminal Vesicle
- * Stomach, Forestomach
- * Stomach, Glandular
- * Testes
- * Thyroid Gland
- * Trachea
- * Urinary Bladder

MISSING

- * Mammary Gland

OBSERVATIONS

- * Bone Marrow
 - Hyperplasia
 - Mild
- * Liver
 - Basophilic Focus
 - Eosinophilic Focus
 - Hematopoietic Cell Proliferation
 - Hepatocellular Adenoma
 - Hepatocellular Carcinoma
 - Necrosis
 - Minimal
 - Mild
- * Lung
 - [Basophilic Focus TGLs = 6 - 13]
 - [Eosinophilic Focus TGLs = 7,8,10 - 14+15+16]
 - [Hepatocellular Adenoma TGLs = 5 - 13]
 - [Hepatocellular Carcinoma TGLs = 4 - 12]
 - Hepatocellular Carcinoma
 - Metastatic (Liver)
- * Nose
 - [Hepatocellular Carcinoma TGLs = 9 - 17]
 - Respirat Epith
 - Accumulation, Hyaline Droplet
 - Minimal
- * Skin
 - Respirat Epith
 - Hyperplasia
 - Minimal
 - Epidermis
 - Hyperplasia
 - Mild
 - Inflammation
 - Moderate
 - Ulcer
 - Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 124

TRT#: 5

SEX: Male

DAY ON TEST: 669

DOSE: 20 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603744

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 1 - 10]

[Ulcer TGLs = 2,3 - 10+11]

* Spleen

Hematopoietic Cell Proliferation

Moderate

* Thymus

Atrophy

Moderate

Tooth

Dysplasia

PRIMARY CAUSE OF DEATH - Skin Ulcer

CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 125

TRT#: 5

SEX: Male

DAY ON TEST: 449

DOSE: 20 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603745

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Gallbladder | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|----------------------------------|----------------|-------------------------------|------------------------------|
| * Eye | Cornea | Inflammation | Marked |
| [Inflammation TGLs = 2 - 9] | | | |
| * Harderian Gland | | Carcinoma | |
| [Carcinoma TGLs = 1 - 9] | | | |
| * Kidney | | Nephropathy | Minimal |
| * Liver | Hepatocyte | Eosinophilic Focus | |
| | | Hypertrophy | Moderate |
| | | Inflammation | Chronic Active, Minimal |
| [Hypertrophy TGLs = 3 - 3+4+5] | | | |
| * Lung | | Carcinoma | Metastatic (Harderian Gland) |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Olfactory Epi | Necrosis | Minimal |
| * Spleen | | Hyperplasia | Lymphoid, Mild |
| * Thymus | | Atrophy | Minimal |

PRIMARY CAUSE OF DEATH - Harderian Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 126

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603746

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|-------------------|---|--|-------------------------------------|
| * Kidney | Pelvis | Dilatation
Nephropathy | Mild
Moderate |
| | [Dilatation TGLs = 9 - 4]
[Nephropathy TGLs = 2 - 4] | | |
| * Liver | | Eosinophilic Focus
Hepatocellular Adenoma
Inflammation
Mixed Cell Focus | Multiple
Chronic Active, Minimal |
| | [Eosinophilic Focus TGLs = 7 - 12]
[Hepatocellular Adenoma TGLs = 3,4,5 - 10+11+12]
[Mixed Cell Focus TGLs = 6,8 - 11+13] | | |
| * Nose | Respirat Epith
Respirat Epith | Accumulation, Hyaline Droplet
Hyperplasia | Minimal
Minimal |
| * Preputial Gland | | Ectasia | Mild |
| | [Ectasia TGLs = 1 - 8] | | |
| * Thymus | | Atrophy | Moderate |
| Tooth | | Dysplasia | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 127

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603747

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Eye	Cornea	Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatoblastoma	Multiple
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
Note: Second hepatoblastoma arising in an adenoma in B14.			
[Hepatoblastoma TGLs = 1,5-10+14]			
[Hepatocellular Adenoma TGLs = 2,3,4-11+12+13]			
* Lung		Hepatoblastoma	Metastatic (Liver)
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Nerve	Atrophy	Minimal
	Glands, Olfactory Epi	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANATOMY PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 128

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603748

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Clear Cell Focus TGLs = 3 - 12]		
	[Hepatocellular Adenoma TGLs = 2,4,6,7-11+13+15]		
	[Hepatocellular Carcinoma TGLs = 5-14]		
* Lung	Alveolar Epith	Metaplasia	Mild
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 1 - 10]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Spleen	Red Pulp	Atrophy	Minimal
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 129

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603749

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Pancreas	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
	[Eosinophilic Focus TGLs = 4 - 13]		
	[Hepatocellular Adenoma TGLs = 6 - 15]		
	[Hepatocellular Carcinoma TGLs = 1,2,3-10+11+12]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Perivascular	Infiltration Cellular	Lymphoid, Mild
	[Alveolar/Bronchiolar Adenoma TGLs = 5 - 14]		
* Lymph Node, Mesenteric		Atrophy	Minimal
* Nose	Respirat Epith	Hyperplasia	Minimal
* Parathyroid Gland		Amyloid Deposition	Mild
* Spleen		Atrophy	Mild
		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 129

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603749

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus
Tooth

Pigmentation

Minimal

Atrophy

Marked

Dysplasia

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 130

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603750

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Carcinoma	Multiple
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 5 - 15]		
	[Hepatoblastoma TGLs = 4-14]		
	[Hepatocellular Carcinoma TGLs = 1,2,3-10+11+12+13]		
* Nose	Respirat Epih	Accumulation, Hyaline Droplet	Minimal
	Glands, Olfactory Epi	Dilatation	Minimal
	Respirat Epih	Hyperplasia	Minimal
	Glands, Olfactory Epi	Hyperplasia	Mild
		Inflammation	Minimal
	Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal
* Preputial Gland		Inflammation	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 130

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603750

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLs = 6 - 8]

* Spleen

Pigmentation

Minimal

* Thymus

Atrophy

Moderate

Tooth

Dysplasia

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 131

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603751

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Cyst	Mild
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
		[Cyst TGLs = 4 - 13]	
		[Eosinophilic Focus TGLs = 7 - 16]	
		[Hepatocellular Adenoma TGLs = 1,3,5,6 - 10+12+14+15]	
		[Mixed Cell Focus TGLs = 2,8 - 11+17]	
* Nose	Glands, Respirat Epith	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 132

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603752

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Bone Marrow
- * Brain
- * Eye
- * Gallbladder
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Pancreas
- * Pituitary Gland
- * Seminal Vesicle
- * Skin
- * Trachea
- * Urinary Bladder
- Blood Vessel
- * Epididymis
- * Harderian Gland
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Prostate
- * Testes
- * Bone
- * Esophagus
- * Heart
- * Intestine Small, Duodenum
- * Lymph Node, Mandibular
- * Salivary Glands
- * Thyroid Gland

MISSING

- * Mammary Gland
- * Parathyroid Gland

OBSERVATIONS

- * Kidney
 - Nephropathy Minimal
 - Basophilic Focus
 - Eosinophilic Focus
 - Hepatocellular Adenoma Multiple
 - Hepatocellular Carcinoma Multiple
 - [Eosinophilic Focus TGLs = 6 - 14]
 - [Hepatocellular Adenoma TGLs = 4,5 - 12+13]
 - [Hepatocellular Carcinoma TGLs = 2,3 - 10+11]
- * Lung
 - Alveolar/Bronchiolar Adenoma
 - Hepatocellular Carcinoma Metastatic (Liver)
- * Lymph Node, Mesenteric
 - Atrophy Minimal
- * Nose
 - Respirat Epith Accumulation, Hyaline Droplet Mild
 - Nerve Atrophy Minimal
 - Glands, Olfactory Epi Dilatation Minimal
 - Respirat Epith Hyperplasia Minimal
- * Preputial Gland
 - Ectasia Mild
 - [Ectasia TGLs = 1 - 8]
- * Spleen
 - Hematopoietic Cell Proliferation Moderate
 - Pigmentation Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 132

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603752

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Mild
* Stomach, Glandular		Inflammation	Minimal
	Epithelium	Necrosis	Mild
* Thymus		Atrophy	Marked
Tooth		Dysplasia	

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANATOMY PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 133

TRT#: 5

SEX: Male

DAY ON TEST: 609

DOSE: 20 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603753

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Harderian Gland		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatoblastoma	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Hepatoblastoma TGLs = 1,2-10+11]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Hepatoblastoma	Metastatic (Liver)
	[Alveolar/Bronchiolar Adenoma TGLs = 3 - 12]		
* Lymph Node, Mesenteric		Atrophy	Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Spleen		Atrophy	Moderate
		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 133

TRT#: 5

SEX: Male

DAY ON TEST: 609

DOSE: 20 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603753

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Liver Hepatoblastoma

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 134

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603754

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Gallbladder | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spleen |
| * Stomach, Glandular | * Testes | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|---|---|------------------------------|-------------------------|
| Blood Vessel | | Inflammation | Mild |
| Note: Coronary artery and vessels within prostate affected. | | | |
| * Harderian Gland | | Adenoma | |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | Multiple |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| | [Eosinophilic Focus TGLs = 5 - 12] | | |
| | [Hepatocellular Adenoma TGLs = 1,2 - 10+11] | | |
| | [Hepatocellular Carcinoma TGLs = 3,4 - 12+13] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| * Nose | Glands, Respirat Epith | Dilatation | Minimal |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Moderate |
| | | Inflammation | Moderate |
| | [Hyperplasia TGLs = 6-14] | | |
| * Thymus | | Atrophy | Marked |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 134

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603754

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth

Dysplasia

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 135

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603755

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Blood Vessel
- * Bone Marrow
- * Brain
- * Epididymis
- * Eye
- * Gallbladder
- * Harderian Gland
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Islets, Pancreatic
- * Lymph Node, Mesenteric
- * Pancreas
- * Pituitary Gland
- * Prostate
- * Salivary Glands
- * Seminal Vesicle
- * Stomach, Forestomach
- * Stomach, Glandular
- * Testes
- * Trachea
- * Urinary Bladder
- * Bone
- * Esophagus
- * Heart
- * Intestine Small, Duodenum
- * Lymph Node, Mandibular
- * Preputial Gland
- * Skin
- * Thyroid Gland

MISSING

- * Mammary Gland
- * Parathyroid Gland

OBSERVATIONS

- * Kidney
- * Liver
- [Eosinophilic Focus TGLs = 4,5 - 13]
- [Hemangioma TGLs = 6 - 14]
- [Hepatocellular Adenoma TGLs = 1,2,3 - 10+11+12]
- * Lung
- * Nose
- * Spleen
- * Thymus
- Tooth
- Nephropathy
- Basophilic Focus
- Clear Cell Focus
- Eosinophilic Focus
- Hemangioma
- Hepatocellular Adenoma
- Inflammation
- Mixed Cell Focus
- Alveolar/Bronchiolar Adenoma
- Accumulation, Hyaline Droplet
- Hyperplasia
- Pigmentation
- Atrophy
- Dysplasia
- Mild
- Multiple
- Chronic Active, Minimal
- Multiple
- Minimal
- Minimal
- Minimal
- Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 136

TRT#: 5

SEX: Male

DAY ON TEST: 597

DOSE: 20 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603756

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Intestine Large, Cecum	Lymphoid Tiss	Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 15 - 25]		
* Intestine Small, Jejunum	Peyers Patch	Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 14 - 24]		
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hemangiosarcoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Lymphoma Malignant	
		Mixed Cell Focus	
	[Hemangiosarcoma TGLs = 10 - 20]		
	[Hepatocellular Adenoma TGLs = 6,7 - 15+16]		
	[Hepatocellular Carcinoma TGLs = 5 - 14]		
	[Mixed Cell Focus TGLs = 8,9 - 17+18+19]		
* Lung		Lymphoma Malignant	
Lymph Node	Mediastinal	Lymphoma Malignant	
	Renal	Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 136

TRT#: 5

SEX: Male

DAY ON TEST: 597

DOSE: 20 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603756

ORGAN AND ACCOUNTABLE SITE STATUS

	Lumbar	Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 11 - 21]		
	[Lymphoma Malignant TGLs = 3 - 12]		
	[Lymphoma Malignant TGLs = 4 - 13]		
* Lymph Node, Mandibular		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 12 - 22]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 13 - 23]		
* Nose		Lymphoma Malignant	
Skeletal Muscle		Hemangiosarcoma	
	[Hemangiosarcoma TGLs = 1 - 10]		
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 2 - 11]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Mild
		Ulcer	Mild
	[Hyperplasia TGLs = 16 - 26]		
* Stomach, Glandular		Mineralization	Mild
* Thymus		Lymphoma Malignant	
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603757

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

OBSERVATIONS

* Heart			
Note: Hepatocellular carcinoma cell cluster present within the right ventricle.			
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 4,6-11+13]		
	[Hepatocellular Carcinoma TGLs = 2,3,5-10+12]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
	[Alveolar/Bronchiolar Adenoma TGLs = 7 - 14]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 1 - 10]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603757

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 8 - 15]

* Thymus
Tooth

Atrophy
Dysplasia

Moderate

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 138

TRT#: 5

SEX: Male

DAY ON TEST: 442

DOSE: 20 MG/KG

DISP: Natural Death

HISTO: 0603758

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- | | |
|---------------|-----------------|
| * Gallbladder | * Mammary Gland |
|---------------|-----------------|

AUTO PRECLUDES DIAG.

- * Spleen

OBSERVATIONS

- | | | | |
|----------|--|--------------------------|---------|
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Carcinoma | |
| | [Hepatocellular Carcinoma TGLs = 1 - 10] | | |
| * Nose | Glands, Respirat Epith | Dilatation | Minimal |
| | | Inflammation | Minimal |
| * Thymus | | Atrophy | Minimal |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 139

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603759

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Nose | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Stomach, Glandular | * Testes |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|--|------------|----------------------------------|-------------------------|
| * Kidney | | Nephropathy | Mild |
| * Liver | | Hepatoblastoma | |
| | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | Multiple |
| | | Inflammation | Chronic Active, Minimal |
| | | Necrosis | Mild |
| Note: TGL-4 = 2 masses with different diagnoses. | | | |
| | | | |
| | | | |
| | | | |
| * Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| | | | |
| | | | |
| * Spleen | | Hematopoietic Cell Proliferation | Moderate |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Moderate |
| | | Inflammation | Moderate |
| | | Ulcer | Mild |
| | | | |
| | | | |
| | | | |
| | | | |
| * Thymus | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 140

TRT#: 5

SEX: Male

DAY ON TEST: 554

DOSE: 20 MG/KG

DISP: Natural Death

HISTO: 0603760

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Renal Tubule	Necrosis Pigmentation	Mild Moderate
* Liver		Hepatoblastoma Hepatocellular Adenoma Necrosis	Multiple Mild
	[Hepatoblastoma TGLs = 1 - 10] [Hepatocellular Adenoma TGLs = 2,5 - 11]		
* Lung		Hepatoblastoma	Metastatic (Liver)
	[Hepatoblastoma TGLs = 3 - 12]		
* Lymph Node, Mesenteric Mesentery	Fat	Atrophy Necrosis	Moderate Minimal
	[Necrosis TGLs = 4 - 13]		
* Nose	Respirat Epith Vomeronas Org	Hyperplasia Necrosis	Minimal Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 141

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603761

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hemangiosarcoma	
		Hepatocellular Adenoma	Multiple
	Hepatocyte	Hypertrophy	Mild
		Mitotic Alteration	Minimal
		Mixed Cell Focus	
	[Clear Cell Focus TGLs = 5,6 - 10+11+14]		
	[Eosinophilic Focus TGLs = 5 - 4]		
	[Hemangiosarcoma TGLs = 3 - 12]		
	[Hepatocellular Adenoma TGLs = 1,2,4 - 10+11+13]		
* Lymph Node, Mesenteric		Atrophy	Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 141

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603761

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth

Dysplasia

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 142

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603762

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Harderian Gland		Adenoma	
	[Adenoma TGLs = 1 - 9]		
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Mitotic Alteration	Minimal
		Mixed Cell Focus	
	[Clear Cell Focus TGLs = 5 - 12]		
	[Hepatocellular Adenoma TGLs = 4,6 - 11+13]		
	[Hepatocellular Carcinoma TGLs = 3,7 - 10+14]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Glands, Respirat Epith	Dilatation	Minimal
	Glands, Olfactory Epi	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Preputial Gland		Ectasia	Mild
	[Ectasia TGLs = 2 - 8]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 142

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603762

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Mild
	[Hyperplasia TGLs = 8,9 - 15+16]		
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603763

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Mild
* Liver	Clear Cell Focus	
	Eosinophilic Focus	
	Fatty Change	Mild
	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	
	Mixed Cell Focus	

Note: TGL-6 represents an eosinophilic focus, a vacuolated cell focus, and a clear cell focus (three gross foci).

[Clear Cell Focus TGLs = 6 - 15+16]
 [Hepatocellular Adenoma TGLs = 2,3,5,7 - 11+12+14+17]
 [Hepatocellular Carcinoma TGLs = 1 - 10]
 [Mixed Cell Focus TGLs = 4 - 13]

* Lung	Alveolar/Bronchiolar Adenoma	
* Nose	Respirat Epith	Minimal
	Nerve	Mild
	Glands, Respirat Epith	Minimal
	Respirat Epith	Mild
	Accumulation, Hyaline Droplet	
	Atrophy	
	Dilatation	
	Hyperplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603763

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Basophilic Focus	Minimal
* Spleen	Pigmentation	Minimal
* Thymus	Atrophy	Moderate
Tooth	Dysplasia	

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 144

TRT#: 5

SEX: Male

DAY ON TEST: 402

DOSE: 20 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603764

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

OBSERVATIONS

* Eye	Lens	Cataract	Mild
	Cornea	Inflammation	Moderate
Note: TGL-1 eye appeared small against tumor - eye was actually inflamed and in section is larger than opposite eye.			
* Harderian Gland		Adenoma	
[Adenoma TGLs = 2 - 9]			
* Liver		Mixed Cell Focus	
[Mixed Cell Focus TGLs = 3 - 10]			
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Harderian Gland Adenoma

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 145

TRT#: 5

SEX: Male

DAY ON TEST: 674

DOSE: 20 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603765

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Gallbladder | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Nose | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|---|-------------|---|--------------------|
| * Bone Marrow | | Hyperplasia | Moderate |
| * Harderian Gland | | Atrophy | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Moderate |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatoblastoma | |
| | | Hepatocellular Carcinoma | |
| | | Hepatocholangiocarcinoma | |
| | | Mixed Cell Focus | |
| Note: TGL-3 has abundant fat (possibly Ito cells) and biliary components (possibly bile ductular hyperplasia secondary to tumor). | | | |
| | | [Hepatocellular Carcinoma TGLs = 9-16] | |
| | | [Hepatocholangiocarcinoma TGLs = 3,5,10-12+14+17] | |
| | | [Mixed Cell Focus TGLs = 4 - 13] | |
| * Lung | | Hepatocholangiocarcinoma | Metastatic (Liver) |
| | | [Hepatocholangiocarcinoma TGLs = 7,8 - 3+15] | |
| Lymph Node | Mediastinal | Hepatocholangiocarcinoma | Metastatic (Liver) |
| * Lymph Node, Mandibular | | Atrophy | Mild |
| * Lymph Node, Mesenteric | | Hepatocholangiocarcinoma | Metastatic (Liver) |
| Mesentery | Fat | Hepatocholangiocarcinoma | Metastatic (Liver) |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 145

TRT#: 5

SEX: Male

DAY ON TEST: 674

DOSE: 20 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603765

ORGAN AND ACCOUNTABLE SITE STATUS

	Fat	Necrosis	Marked
	[Necrosis TGLs = 1,2 - 10+11]		
* Pancreas		Hepatocholangiocarcinoma	Metastatic (Liver)
	[Hepatocholangiocarcinoma TGLs = 6 - 5]		
* Prostate		Hepatocholangiocarcinoma	Metastatic (Liver)
Skeletal Muscle		Hepatocholangiocarcinoma	Metastatic (Liver)
	Note: Skeletal muscle lesion noted in routine section of skin/mammary gland (B08).		
* Spleen		Atrophy	Moderate
		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach		Hepatocholangiocarcinoma	Metastatic (Liver)
* Stomach, Glandular		Hepatocholangiocarcinoma	Metastatic (Liver)
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Marked
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatocholangiocarcinoma

CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 146

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603766

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Hydrocephalus	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Hepatocyte	Hypertrophy	Minimal
	[Hepatocellular Adenoma TGLs = 2,3,4,5 - 11+12+13+14]		
	[Hepatocellular Carcinoma TGLs = 1 - 10]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLs = 6 - 15]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
	Glands, Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Minimal
	Glands, Respirat Epith	Metaplasia	Respiratory, Minimal
* Spleen	Red Pulp	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 146

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603766

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus
Tooth

Pigmentation

Minimal

Atrophy

Moderate

Dysplasia

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 147

TRT#: 5

SEX: Male

DAY ON TEST: 681

DOSE: 20 MG/KG

DISP: Natural Death

HISTO: 0603767

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow	Atrophy	Minimal
* Brain	Hemorrhage	Mild
* Heart	Mineralization	Moderate
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Eosinophilic Focus	
	Hepatoblastoma	
	Hepatocellular Carcinoma	Multiple
	Inflammation	Chronic Active, Marked
	Mineralization	Minimal
	Necrosis	Minimal

Note: TGLs 2+5 = abscesses; hepatoblastoma arising in B14.

[Eosinophilic Focus TGLs = 6 - 15]

[Hepatocellular Carcinoma TGLs = 3,4 - 12+13]

[Inflammation TGLs = 2,5 - 11+14]

* Lung

Alveolar/Bronchiolar Adenoma

Hepatocellular Carcinoma

Metastatic (Liver)

Note: Leukocytes within pulmonary vessels contain phagocytosed bacteria (likely from the hepatic abscesses).

[Alveolar/Bronchiolar Adenoma TGLs = 1 - 10]

* Lymph Node, Mandibular

Atrophy

Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 147

TRT#: 5

SEX: Male

DAY ON TEST: 681

DOSE: 20 MG/KG

DISP: Natural Death

HISTO: 0603767

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Atrophy	Marked
* Nose	Glands, Respirat Epith	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Pancreas		Inflammation	Minimal
* Spleen		Atrophy	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Moderate
		Ulcer	Mild
	[Hyperplasia TGLs = 7 - 16]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Inflammation

CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 148

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603768

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
	[Eosinophilic Focus TGLs = 1 - 10]		
	[Hepatocellular Carcinoma TGLs = 2,3,4 - 11+12+13]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mesenteric		Atrophy	Mild
* Nose	Glands, Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 723

DOSE: 20 MG/KG

DISP: Natural Death

HISTO: 0603769

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Gallbladder	* Mammary Gland
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OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hemangiosarcoma	
		Hepatocellular Carcinoma	Multiple
	[Hemangiosarcoma TGLs = 1,3 - 10+12]		
	[Hepatocellular Carcinoma TGLs = 2,4 - 11+13]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Bronchus	Necrosis	Minimal
	Bronchiole, Epithelium	Regeneration	Minimal
* Lymph Node, Mesenteric		Atrophy	Marked
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Vomeronas Org	Necrosis	Minimal
* Spleen		Atrophy	Moderate
		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Moderate
		Ulcer	Moderate
	[Hyperplasia TGLs = 5 - 14]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 723

DOSE: 20 MG/KG

DISP: Natural Death

HISTO: 0603769

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

Tooth

Dysplasia

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 710

DOSE: 20 MG/KG

DISP: Natural Death

HISTO: 0603770

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
Note: Apex of heart is replaced by fibrous tissue.			
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Necrosis	Minimal
	[Eosinophilic Focus TGLs = 3,4,5 - 12+13+14]		
	[Hepatocellular Adenoma TGLs = 1 - 10]		
	[Mixed Cell Focus TGLs = 2 - 11]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLs = 6 - 15]		
* Lymph Node, Mesenteric		Atrophy	Marked
* Nose	Glands, Olfactory Epi	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 710

DOSE: 20 MG/KG

DISP: Natural Death

HISTO: 0603770

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Metaplasia	Respiratory, Mild
	Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal
	Respirat Epith	Necrosis	Minimal
	Olfactory Epi	Necrosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Marked
Tooth		Dysplasia	
		Odontoma	

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 151

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603771

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Liver		Eosinophilic Focus	
	Hepatocyte	Hepatocellular Adenoma	
	[Eosinophilic Focus TGLs = 1,2 - 10+11]	Hypertrophy	Mild
	[Hepatocellular Adenoma TGLs = 2,3 - 12+13]		
* Nose	Nerve	Atrophy	Minimal
	Glands, Olfactory Epi	Dilatation	Mild
	Glands, Respirat Epith	Dilatation	Moderate
	Glands, Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Moderate
	Glands, Olfactory Epi	Metaplasia	Respiratory, Mild
* Spleen		Hyperplasia	Lymphoid, Mild
		Pigmentation	Mild
* Thymus		Atrophy	Minimal
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 151

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603771

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Teeth were trimmed approximately weekly starting 11-09-04 until 10-18-06.

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 152

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603772

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

- * Mammary Gland

OBSERVATIONS

- * Liver

Clear Cell Focus
 Eosinophilic Focus
 Hepatoblastoma
 Hepatocellular Adenoma Multiple
 Hepatocellular Carcinoma

Note: Hepatocellular adenoma is also in B03.

[Eosinophilic Focus TGLs = 7 - 15]

[Hepatoblastoma TGLs = 2 - 10]

[Hepatocellular Adenoma TGLs = 4,5,6 - 12+13+14]

[Hepatocellular Carcinoma TGLs = 3 - 11]

- * Nose

Nerve	Atrophy	Minimal
Glands, Olfactory Epi	Dilatation	Mild
Glands, Respirat Epith	Dilatation	Moderate
Glands, Olfactory Epi	Hyperplasia	Mild
Transit Epithe	Hyperplasia	Minimal
Respirat Epith	Hyperplasia	Minimal
Olfactory Epi	Metaplasia	Respiratory, Moderate
Glands, Olfactory Epi	Metaplasia	Respiratory, Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 152

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603772

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland [Ectasia TGLs = 1 - 8]	Ectasia	Moderate
* Spleen	Hematopoietic Cell Proliferation	Minimal
	Pigmentation	Minimal
* Thymus	Atrophy	Moderate

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 153

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603773

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 3 - 12]		
	[Hepatocellular Carcinoma TGLs = 1,2 - 10+11]		
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Moderate
* Nose	Nerve	Atrophy	Mild
	Glands, Olfactory Epi	Dilatation	Minimal
	Glands, Olfactory Epi	Hyperplasia	Moderate
	Olfactory Epi	Metaplasia	Respiratory, Mild
	Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Mild
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 153

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603773

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach [Hyperplasia TGLs = 4 - 13]	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Marked

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 154

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603774

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Testes | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|--------------------------|---|--------------------------|-----------------------|
| * Harderian Gland | | Adenoma | |
| | [Adenoma TGLs = 1 - 9] | | |
| * Kidney | Cortex | Cyst | Mild |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | Hepatocyte | Hypertrophy | Mild |
| | [Eosinophilic Focus TGLs = 4,6 - 12+14] | | |
| | [Hepatocellular Adenoma TGLs = 5,3 - 11+13] | | |
| | [Hepatocellular Carcinoma TGLs = 2 - 10] | | |
| * Lymph Node, Mesenteric | | Atrophy | Mild |
| * Nose | Nerve | Atrophy | Moderate |
| | Glands, Olfactory Epi | Dilatation | Mild |
| | Glands, Respirat Epith | Dilatation | Mild |
| | Glands, Olfactory Epi | Hyperplasia | Moderate |
| | | Inflammation | Minimal |
| | Olfactory Epi | Metaplasia | Respiratory, Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 154

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603774

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Glands, Olfactory Epi Red Pulp	Metaplasia Atrophy Pigmentation	Respiratory, Moderate Minimal Minimal
* Thymus		Atrophy	Mild
Tooth		Dysplasia	

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 155

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603775

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	

MISSING

* Mammary Gland

OBSERVATIONS

* Epididymis		Angiectasis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Carcinoma TGLs = 3,4,5,6,7 - 11+12+13]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Glands, Olfactory Epi	Dilatation	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
	Glands, Olfactory Epi	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Respiratory, Minimal
	Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal
* Preputial Gland		Ectasia	Mild
	[Ectasia TGLs = 1 - 8]		
* Skin	Hair Follicle	Hyperkeratosis	Mild
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	
* Urinary Bladder		Calculus Gross Observation	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 155

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603775

ORGAN AND ACCOUNTABLE SITE STATUS

[Calculus Gross Observation TGLs = 2 - 10]

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 156

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603776

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Stomach, Glandular | * Testes | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|------------------------|---|------------------------------|-----------------------|
| * Heart | | Cardiomyopathy | Minimal |
| | | Mineralization | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | Multiple |
| | [Hepatocellular Adenoma TGLs = 4-12] | | |
| | [Hepatocellular Carcinoma TGLs = 1,2,3-10+11] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| * Nose | Glands, Olfactory Epi | Dilatation | Moderate |
| | Glands, Respirat Epith | Dilatation | Minimal |
| | Respirat Epith | Hyperplasia | Minimal |
| | Glands, Olfactory Epi | Hyperplasia | Moderate |
| | | Inflammation | Minimal |
| | Olfactory Epi | Metaplasia | Respiratory, Moderate |
| | Glands, Olfactory Epi | Metaplasia | Respiratory, Moderate |
| * Spleen | | Pigmentation | Minimal |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 156

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603776

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 6 - 14]

* Thymus

Atrophy

Minimal

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 157

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603777

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
		Mitotic Alteration	Mild
		Mixed Cell Focus	
Note: Mitotic alteration was characterized by the presence of large multinucleated hepatocytes with more than 6 nuclei per cell.			
		[Eosinophilic Focus TGLs = 4 - 13]	
		[Hepatocellular Adenoma TGLs = 2,3 - 11+12]	
		[Hepatocellular Carcinoma TGLs = 1 - 10]	
* Lung		Hemorrhage	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Hemorrhage TGLs = 5 - 14]		
* Nose		Atrophy	Moderate
	Nerve	Dilatation	Moderate
	Glands, Olfactory Epi	Dilatation	Mild
	Glands, Respirat Epith	Hyperplasia	Mild
	Respirat Epith		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 157

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603777

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands, Olfactory Epi	Hyperplasia	Moderate
		Inflammation	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Moderate
	Glands, Olfactory Epi	Metaplasia	Respiratory, Moderate
* Pancreas	Acinus	Hyperplasia	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 158

TRT#: 7

SEX: Male

DAY ON TEST: 665

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603778

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	Tooth
* Trachea	* Urinary Bladder		

MISSING

* Gallbladder	* Mammary Gland
---------------	-----------------

OBSERVATIONS

* Bone Marrow		Hemangiosarcoma	
		Hyperplasia	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
		Hemangiosarcoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
	[Hepatocellular Adenoma TGLs = 6 - 13]		
	[Hepatocellular Carcinoma TGLs = 1,2,3 - 10+11+12]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Nerve	Atrophy	Mild
	Glands, Olfactory Epi	Dilatation	Mild
	Glands, Respirat Epith	Dilatation	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 158

TRT#: 7

SEX: Male

DAY ON TEST: 665

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603778

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands, Olfactory Epi	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Respiratory, Mild
	Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal
	Olfactory Epi	Necrosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 5 - 13]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 159

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603779

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Hydrocephalus	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Carcinoma	Multiple
		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
	[Hepatocellular Carcinoma TGLs = 1,3 - 10+11]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Alveolar/Bronchiolar Adenoma TGLs = 4 - 12]		
* Lymph Node, Mesenteric		Atrophy	Moderate
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Nerve	Atrophy	Mild
	Glands, Olfactory Epi	Dilatation	Mild
	Glands, Respirat Epith	Dilatation	Moderate
	Glands, Olfactory Epi	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Respiratory, Mild
	Glands, Olfactory Epi	Metaplasia	Respiratory, Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 159

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603779

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland [Ectasia TGLs = 2 - 8]	Ectasia	Mild
* Spleen	Hematopoietic Cell Proliferation Pigmentation	Moderate Minimal
* Thymus Tooth	Atrophy Dysplasia	Marked

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 160

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603780

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Intestine Small, Jejunum		Carcinoma	Multiple
[Carcinoma TGLs = 11,12 - 19]			
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
[Eosinophilic Focus TGLs = 10 - 18]			
[Hepatocellular Adenoma TGLs = 5,6,7,8 - 14+15+16+17]			
[Hepatocellular Carcinoma TGLs = 9 - 17]			
* Lymph Node, Mesenteric		Atrophy	Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Nerve	Atrophy	Mild
	Glands, Olfactory Epi	Dilatation	Mild
	Glands, Respirat Epith	Dilatation	Mild
	Respirat Epith	Hyperplasia	Mild
	Glands, Olfactory Epi	Hyperplasia	Mild
	Glands, Respirat Epith	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 160

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603780

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin	Olfactory Epi	Metaplasia	Respiratory, Mild
	Glands, Olfactory Epi	Metaplasia	Respiratory, Mild
	Dermis	Fibrosis	Marked
	Epidermis	Hyperplasia	Mild
		Ulcer	Marked
Note: Crusts in TGLs 2 + 4 were serocellular and/or comprised of hyperkeratotic material.			
	[Hyperplasia TGLs = 2,4 - 11+13]		
	[Ulcer TGLs = 1,3 - 10+12]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Marked
Tooth		Dysplasia	

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 161

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603781

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
		Pigmentation	Mild
Note: TGL-1 represented a necrotic portion of the hepatocellular carcinoma.			
Note: Metastatic hepatoblastoma in lung indicates the presence of a primary in the liver, likely within the hepatocellular carcinomas, but not in section.			
	[Eosinophilic Focus TGLs = 9 - 17]		
	[Hepatocellular Carcinoma TGLs = 1,2,3 - 10+11]		
* Lung		Hepatoblastoma	Metastatic (Liver)
	[Hepatoblastoma TGLs = 4,5,6,7 - 12+13+14+15]		
* Lymph Node, Mesenteric		Atrophy	Marked
* Nose	Nerve	Atrophy	Mild
	Glands, Respirat Epith	Dilatation	Mild
	Glands, Olfactory Epi	Hyperplasia	Minimal
		Inflammation	Mild
	Olfactory Epi	Metaplasia	Respiratory, Moderate
	Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal
	Olfactory Epi	Necrosis	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 161

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603781

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
		Inflammation	Minimal
	[Hyperplasia TGLs = 8 - 16]		
* Thymus		Atrophy	Marked

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 162

TRT#: 7

SEX: Male

DAY ON TEST: 449

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603782

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLs = 1 - 10]		
* Nose	Glands, Olfactory Epi	Dilatation	Minimal
	Glands, Olfactory Epi	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Respiratory, Minimal
	Transit Epithe	Necrosis	Mild
	Olfactory Epi	Necrosis	Minimal
* Pancreas	Duct	Cyst	Mild
* Spleen		Hyperplasia	Lymphoid, Mild
		Pigmentation	Mild
* Thymus		Atrophy	Mild
Tooth		Dysplasia	
* Trachea		Necrosis	Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 163

TRT#: 7

SEX: Male

DAY ON TEST: 256

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603783

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Nerve	Atrophy	Mild
	Glands, Olfactory Epi	Dilatation	Mild
	Glands, Olfactory Epi	Hyperplasia	Moderate
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Moderate
	Glands, Olfactory Epi	Metaplasia	Respiratory, Mild
	Olfactory Epi	Necrosis	Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

- UNCERTAIN

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANATOMY PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 164

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603784

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Bone Marrow
- * Brain
- * Eye
- * Gallbladder
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Jejunum
- * Islets, Pancreatic
- * Lymph Node, Mesenteric
- * Pancreas
- * Preputial Gland
- * Prostate
- * Skin
- * Stomach, Forestomach
- * Thyroid Gland
- * Trachea
- Blood Vessel
- * Epididymis
- * Harderian Gland
- * Intestine Small, Duodenum
- * Kidney
- * Parathyroid Gland
- * Salivary Glands
- * Stomach, Glandular
- * Urinary Bladder
- * Bone
- * Esophagus
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mandibular
- * Pituitary Gland
- * Seminal Vesicle
- * Testes

MISSING

- * Mammary Gland

OBSERVATIONS

- * Heart
 - Cardiomyopathy
 - Hepatocellular Adenoma
 - Hepatocellular Carcinoma
- * Liver
 - Minimal
 - Multiple
 - Multiple
- [Hepatocellular Adenoma TGLs = 2,3,5-11+13]
- [Hepatocellular Carcinoma TGLs = 4,6-12+14]
- * Lung
 - Alveolar/Bronchiolar Adenoma
 - Infiltration Cellular
- [Alveolar/Bronchiolar Adenoma TGLs = 1 - 10]
- * Nose
 - Alveolus
 - Respirat Epith
 - Nerve
 - Glands, Olfactory Epi
 - Glands, Respirat Epith
 - Respirat Epith
 - Glands, Olfactory Epi
 - Olfactory Epi
 - Glands, Olfactory Epi
- * Spleen
 - Accumulation, Hyaline Droplet
 - Atrophy
 - Dilatation
 - Dilatation
 - Hyperplasia
 - Hyperplasia
 - Metaplasia
 - Metaplasia
 - Hyperplasia
 - Pigmentation
- Histiocyte, Minimal
- Minimal
- Mild
- Mild
- Minimal
- Minimal
- Mild
- Respiratory, Mild
- Respiratory, Minimal
- Lymphoid, Mild
- Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 164

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603784

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Minimal

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 165

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603785

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Brain	Olfactory Lobe	Atrophy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Eosinophilic Focus TGLs = 1 - 11]		
	[Hepatocellular Adenoma TGLs = 3,4 - 13+14]		
	[Mixed Cell Focus TGLs = 2 - 12]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLs = 5 - 10]		
* Nose	Nerve	Atrophy	Moderate
	Glands, Olfactory Epi	Dilatation	Mild
	Glands, Respirat Epith	Dilatation	Moderate
	Glands, Olfactory Epi	Hyperplasia	Mild
	Glands, Respirat Epith	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 165

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603785

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Moderate
	Glands, Olfactory Epi	Metaplasia	Respiratory, Mild
* Spleen		Pigmentation	Moderate
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Minimal

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 166

TRT#: 7

SEX: Male

DAY ON TEST: 562

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603786

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Hepatocyte	Hepatocellular Carcinoma	Multiple
	[Hepatocellular Carcinoma TGLs = 2,3 - 11+12]	Hypertrophy	Mild
* Lung		Alveolar/Bronchiolar Carcinoma	
	Note: TGL 4=NCL (No Corresponding Lesion)		
	[Alveolar/Bronchiolar Carcinoma TGLs = 1-10]		
* Lymph Node, Mesenteric		Atrophy	Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Nerve	Atrophy	Minimal
	Glands, Olfactory Epi	Dilatation	Mild
	Glands, Respirat Epith	Dilatation	Mild
	Glands, Olfactory Epi	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Respiratory, Minimal
	Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 166

TRT#: 7

SEX: Male

DAY ON TEST: 562

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603786

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Necrosis	Mild
* Spleen		Hyperplasia	Lymphoid, Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 167

TRT#: 7

SEX: Male

DAY ON TEST: 623

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603787

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thyroid Gland	Tooth	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
* Liver		Hemangiosarcoma	
		Necrosis	Moderate
	[Hemangiosarcoma TGLs = 3,5 -10+12]		
	[Necrosis TGLs = 4 - 11]		
* Lung	Bronchus, Epithelium	Regeneration	Minimal
	Bronchiole, Epithelium	Regeneration	Minimal
* Nose	Nerve	Atrophy	Moderate
	Glands, Olfactory Epi	Dilatation	Mild
	Glands, Respirat Epith	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Mild
	Glands, Olfactory Epi	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Respiratory, Moderate
	Glands, Olfactory Epi	Metaplasia	Respiratory, Mild
	Glands, Respirat Epith	Metaplasia	Respiratory, Minimal
	Vomeronas Org	Necrosis	Minimal
* Preputial Gland		Ectasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 167

TRT#: 7

SEX: Male

DAY ON TEST: 623

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603787

ORGAN AND ACCOUNTABLE SITE STATUS

[Ectasia TGLs = 1 - 8]

* Spleen

Atrophy

Mild

Hematopoietic Cell Proliferation

Marked

Pigmentation

Minimal

[Hematopoietic Cell Proliferation TGLs = 2 - 4]

* Stomach, Forestomach

Epithelium

Hemorrhage

Moderate

Hyperplasia

Mild

Inflammation

Mild

Necrosis

Minimal

[Hyperplasia TGLs = 6 - 5+13]

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

- Liver Hemangiosarcoma

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 168

TRT#: 7

SEX: Male

DAY ON TEST: 672

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603788

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

Blood Vessel		Mineralization	Moderate
Note: Aorta, pulmonary arteries, and renal arteries are mineralized.			
* Brain	Olfactory Lobe	Atrophy	Minimal
* Kidney		Mineralization	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Hepatocyte	Hypertrophy	Mild
		Necrosis	Moderate
Note: TGL-1 records two nodules, in this case two different diagnoses.			
		[Eosinophilic Focus TGLs = 1,6 - 11+14]	
		[Hepatocellular Adenoma TGLs = 1,3 - 4+11]	
		[Hepatocellular Carcinoma TGLs = 4 - 13]	
		[Necrosis TGLs = 2,7 - 12+15]	
* Nose	Nerve	Atrophy	Moderate
	Glands, Olfactory Epi	Dilatation	Moderate
	Glands, Respirat Epith	Dilatation	Mild
	Glands, Olfactory Epi	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 168

TRT#: 7

SEX: Male

DAY ON TEST: 672

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603788

ORGAN AND ACCOUNTABLE SITE STATUS

	Nasolacrim Dct	Hyperplasia	Regenerative, Minimal
	Glands, Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Respiratory, Moderate
	Glands, Olfactory Epi	Metaplasia	Respiratory, Mild
	Glands, Respirat Epith	Metaplasia	Respiratory, Minimal
* Spleen		Atrophy	Mild
		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Moderate
		Ulcer	Moderate
	[Hyperplasia TGLs = 5 - 10]		
* Thymus		Atrophy	Marked
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 169

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603789

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
		Mixed Cell Focus	
	Note: Adenoma from B12 is also on B03.		
	[Eosinophilic Focus TGLs = 4 - 13]		
	[Hepatocellular Carcinoma TGLs = 2,3-11+12]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLs = 1 - 10]		
* Lymph Node, Mandibular		Atrophy	Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Nerve	Atrophy	Minimal
	Glands, Olfactory Epi	Dilatation	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
	Glands, Olfactory Epi	Hyperplasia	Minimal
	Glands, Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 169

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603789

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Metaplasia	Respiratory, Minimal
	Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
Tooth		Dysplasia	

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 170

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603790

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 2,3,4,5 - 11+12+13]		
	[Hepatocellular Carcinoma TGLs = 1 - 10]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Nerve	Atrophy	Minimal
	Glands, Olfactory Epi	Dilatation	Minimal
	Glands, Respirat Epith	Dilatation	Mild
	Respirat Epith	Hyperplasia	Mild
	Glands, Olfactory Epi	Hyperplasia	Mild
	Glands, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Respiratory, Mild
	Glands, Olfactory Epi	Metaplasia	Respiratory, Mild
	Glands, Respirat Epith	Metaplasia	Respiratory, Minimal
	Vomeronas Org	Necrosis	Minimal
* Spleen		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 170

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603790

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Hyperplasia

Lymphoid, Mild

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANATOMY PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 171

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603791

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	Multiple
	[Basophilic Focus TGLs = 3 - 10]		
	[Hepatocellular Adenoma TGLs = 1,2 - 4+5]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Nerve	Atrophy	Moderate
	Glands, Olfactory Epi	Dilatation	Mild
	Glands, Respirat Epith	Dilatation	Mild
	Glands, Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Moderate
	Glands, Olfactory Epi	Metaplasia	Respiratory, Mild
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Minimal
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 172

TRT#: 7

SEX: Male

DAY ON TEST: 669

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603792

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Brain	Olfactory Lobe	Atrophy	Minimal
* Heart		Cardiomyopathy	Minimal
		Mineralization	Mild
* Liver		Eosinophilic Focus	
		Fatty Change	Mild
		Hepatoblastoma	
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
		Necrosis	Moderate
	[Eosinophilic Focus TGLs = 5 - 13]		
	[Hepatoblastoma TGLs = 2 - 11]		
	[Hepatocellular Carcinoma TGLs = 1 - 10]		
	[Mixed Cell Focus TGLs = 6 - 15]		
	[Necrosis TGLs = 3,4 - 12+14]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mesenteric		Atrophy	Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Nerve	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 172

TRT#: 7

SEX: Male

DAY ON TEST: 669

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603792

ORGAN AND ACCOUNTABLE SITE STATUS

Glands, Olfactory Epi	Dilatation	Mild
Glands, Respirat Epith	Dilatation	Moderate
Respirat Epith	Hyperplasia	Mild
Glands, Olfactory Epi	Hyperplasia	Moderate
	Inflammation	Minimal
Olfactory Epi	Metaplasia	Respiratory, Moderate
Glands, Olfactory Epi	Metaplasia	Respiratory, Mild
Glands, Respirat Epith	Metaplasia	Respiratory, Minimal
* Spleen	Atrophy	Minimal
	Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Hyperplasia	Mild
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 173

TRT#: 7

SEX: Male

DAY ON TEST: 609

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603793

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Stomach, Glandular |
| * Testes | * Thyroid Gland | Tooth | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|---|--------------------------------|---|-------------------------|
| * Bone Marrow | | Hyperplasia | Mild |
| * Heart | | Mineralization | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Eosinophilic Focus | |
| | | Hepatoblastoma | |
| | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | Multiple |
| | | Inflammation | Chronic Active, Minimal |
| | | Necrosis | Minimal |
| Note: TGL-1 from caudate lobe (in B10) may actually be extension of the carcinoma in B12 from right anterior lobe (TGL-3), rather than an additional tumor. | | | |
| | | [Eosinophilic Focus TGLs = 2,6,7 - 11+14+15] | |
| | | [Hepatoblastoma TGLs = 4 - 13] | |
| | | [Hepatocellular Adenoma TGLs = 5 - 13] | |
| | | [Hepatocellular Carcinoma TGLs = 1,3 - 10+12] | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | [Alveolar/Bronchiolar Adenoma | TGLs = 8 - 16] | |
| * Nose | Olfactory Epi | Accumulation, Hyaline Droplet | Minimal |
| | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 173

TRT#: 7

SEX: Male

DAY ON TEST: 609

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603793

ORGAN AND ACCOUNTABLE SITE STATUS

Nerve	Atrophy	Minimal
Glands, Olfactory Epi	Dilatation	Mild
Glands, Respirat Epith	Dilatation	Mild
Glands, Olfactory Epi	Hyperplasia	Mild
	Inflammation	Minimal
Olfactory Epi	Metaplasia	Respiratory, Mild
Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal
Respirat Epith	Necrosis	Mild
* Spleen	Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Hyperplasia	Moderate
	Inflammation	Moderate
	Ulcer	Mild
[Hyperplasia TGLs = 9 - 17]		
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 174

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603794

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 2 - 5]		
	[Hepatocellular Adenoma TGLs = 3,4 - 4+10]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Nerve	Atrophy	Mild
	Glands, Olfactory Epi	Dilatation	Minimal
	Glands, Respirat Epith	Dilatation	Mild
	Glands, Olfactory Epi	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Respiratory, Moderate
	Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal
	Olfactory Epi	Necrosis	Mild
* Preputial Gland		Ectasia	Mild
	[Ectasia TGLs = 1 - 8]		
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 174

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603794

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth

Dysplasia

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 175

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603795

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Brain	Olfactory Lobe	Atrophy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Hepatocyte	Hypertrophy	Minimal
		Mixed Cell Focus	
	[Eosinophilic Focus TGLs = 6 - 15]		
	[Hepatocellular Adenoma TGLs = 1,3,4,5 - 11+13+14]		
	[Hepatocellular Carcinoma TGLs = 2 - 12]		
* Nose	Nerve	Atrophy	Marked
	Glands, Olfactory Epi	Dilatation	Mild
	Glands, Respirat Epith	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Mild
	Glands, Olfactory Epi	Hyperplasia	Moderate
	Olfactory Epi	Metaplasia	Respiratory, Moderate
	Glands, Olfactory Epi	Metaplasia	Respiratory, Moderate
* Spleen		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 175

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603795

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach

Squamous Cell Papilloma

[Squamous Cell Papilloma TGLs = 7 - 10]

* Thymus

Atrophy

Marked

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 176

TRT#: 7

SEX: Male

DAY ON TEST: 682

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603796

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Blood Vessel
- * Bone
- * Brain
- * Epididymis
- * Esophagus
- * Eye
- * Gallbladder
- * Heart
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Duodenum
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Islets, Pancreatic
- * Lymph Node, Mesenteric
- * Parathyroid Gland
- * Pituitary Gland
- * Prostate
- * Salivary Glands
- * Seminal Vesicle
- * Skin
- * Stomach, Forestomach
- * Stomach, Glandular
- * Testes
- * Thyroid Gland
- * Trachea
- * Urinary Bladder

MISSING

- * Mammary Gland

OBSERVATIONS

- * Bone Marrow Hyperplasia Moderate
- * Harderian Gland Hyperplasia Mild
- * Kidney Mineralization Minimal
- Nephropathy Mild
- * Liver Eosinophilic Focus
- Hepatocellular Carcinoma Multiple
- Inflammation Chronic Active, Minimal
- Mixed Cell Focus
- Necrosis Minimal
- [Eosinophilic Focus TGLs = 9 - 16]
- [Hepatocellular Carcinoma TGLs = 5,6 - 11+12]
- [Mixed Cell Focus TGLs = 7,8 - 17+18]
- * Lung Alveolar/Bronchiolar Carcinoma
- Inflammation Chronic Active, Moderate
- Note: There are both a primary tumor and metastases within the lung.
- [Alveolar/Bronchiolar Carcinoma TGLs = 10 - 10]
- * Lymph Node, Mandibular Atrophy Mild
- Mesentery Fat Necrosis Marked
- Note: Extensive inflammation also present in mesentery in B05 (submitted as mesenteric lymph node because it was so large and firm).

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 177

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603797

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Infarct	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
		Pigmentation	Minimal
[Hepatocellular Carcinoma	TGLs = 1,2 - 10+11]		
* Nose	Nerve	Atrophy	Moderate
	Glands, Olfactory Epi	Dilatation	Mild
	Glands, Respirat Epith	Dilatation	Minimal
	Glands, Olfactory Epi	Hyperplasia	Mild
		Inflammation	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Moderate
	Glands, Olfactory Epi	Metaplasia	Respiratory, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 177

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603797

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth

Dysplasia

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 178

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603798

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Epididymis		Inflammation	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
	[Eosinophilic Focus TGLs = 3 - 11]		
	[Hepatocellular Carcinoma TGLs = 2,4,5,6 - 10+12+13+14]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Nerve	Atrophy	Moderate
	Glands, Olfactory Epi	Dilatation	Mild
	Glands, Respirat Epith	Dilatation	Mild
	Respirat Epith	Hyperplasia	Minimal
	Glands, Olfactory Epi	Hyperplasia	Mild
		Inflammation	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Moderate
	Glands, Olfactory Epi	Metaplasia	Respiratory, Mild
* Preputial Gland		Ectasia	Mild
	[Ectasia TGLs = 1 - 8]		
* Spleen		Hyperplasia	Lymphoid, Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 178

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603798

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus
Tooth

Pigmentation

Mild

Atrophy

Moderate

Dysplasia

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANATOMY PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 179

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603799

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Pancreas | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thyroid Gland | * Trachea | | |

MISSING

- | | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

- | | | | |
|---------|--|-------------------------------|-----------------------|
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | Hepatocyte | Hypertrophy | Mild |
| | | Inflammation | Chronic Active, Mild |
| | [Eosinophilic Focus TGLs = 5 - 4] | | |
| | [Hepatocellular Adenoma TGLs = 3,4 -11+12] | | |
| | [Hepatocellular Carcinoma TGLs = 2 - 10] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | [Alveolar/Bronchiolar Adenoma TGLs = 7 - 14] | | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Nerve | Atrophy | Mild |
| | Glands, Olfactory Epi | Dilatation | Mild |
| | Glands, Respirat Epith | Dilatation | Mild |
| | Glands, Olfactory Epi | Hyperplasia | Moderate |
| | Glands, Respirat Epith | Hyperplasia | Minimal |
| | Respirat Epith | Hyperplasia | Minimal |
| | Olfactory Epi | Metaplasia | Respiratory, Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 179

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603799

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands, Olfactory Epi	Metaplasia	Respiratory, Mild
	Glands, Respirat Epith	Metaplasia	Respiratory, Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Urinary Bladder		Hemangioma	
	[Hemangioma TGLs = 1 - 4]		

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 180

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603800

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Harderian Gland		Adenoma	
	[Adenoma TGLs = 1 - 9]		
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLs = 3,4,5,6 - 12+13+14+15]		
	[Hepatocellular Carcinoma TGLs = 2 - 11]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Nerve	Atrophy	Mild
	Glands, Olfactory Epi	Dilatation	Mild
	Glands, Respirat Epith	Dilatation	Mild
	Glands, Olfactory Epi	Hyperplasia	Mild
	Glands, Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 180

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603800

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands, Respirat Epith	Metaplasia	Respiratory, Minimal
	Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal
* Spleen		Pigmentation	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 7 - 10]		
* Thymus		Atrophy	Moderate

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 181

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603801

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Epididymis | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|----------|---|------------------------|-------------------------|
| * Brain | Olfactory Lobe | Atrophy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Inflammation | Chronic Active, Minimal |
| | | Mixed Cell Focus | |
| | [Clear Cell Focus TGLs = 2 - 11] | | |
| | [Eosinophilic Focus TGLs = 1,6 - 10+14] | | |
| | [Hepatocellular Adenoma TGLs = 3,4,5 - 4+12+13] | | |
| * Nose | Nerve | Atrophy | Moderate |
| | Glands, Olfactory Epi | Dilatation | Mild |
| | Respirat Epith | Hyperplasia | Minimal |
| | Glands, Olfactory Epi | Hyperplasia | Moderate |
| | | Inflammation | Minimal |
| | Olfactory Epi | Metaplasia | Respiratory, Moderate |
| | Glands, Olfactory Epi | Metaplasia | Respiratory, Moderate |
| * Spleen | | Pigmentation | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 181

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603801

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Mild

Tooth

Dysplasia

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 182

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603802

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Pancreas	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 4 - 14]		
	[Hepatocellular Adenoma TGLs = 1,2,3,5 - 11+12+13+15]		
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Nerve	Atrophy	Minimal
	Glands, Olfactory Epi	Dilatation	Minimal
	Glands, Respirat Epith	Dilatation	Mild
	Respirat Epith	Hyperplasia	Minimal
	Glands, Olfactory Epi	Hyperplasia	Minimal
		Inflammation	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Mild
	Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal
* Spleen		Atrophy	Minimal
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 182

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603802

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach [Hyperplasia TGLs = 6 - 10]	Epithelium	Hyperplasia	Moderate
* Thymus		Atrophy	Mild
Tooth		Dysplasia	

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 183

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603803

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Bone Marrow
- * Brain
- * Eye
- * Gallbladder
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Jejunum
- * Islets, Pancreatic
- * Pancreas
- * Parathyroid Gland
- * Prostate
- * Salivary Glands
- * Stomach, Forestomach
- * Stomach, Glandular
- * Trachea
- * Urinary Bladder
- Blood Vessel
- * Epididymis
- * Harderian Gland
- * Intestine Small, Duodenum
- * Lung
- * Pituitary Gland
- * Seminal Vesicle
- * Testes
- * Bone
- * Esophagus
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mandibular
- * Preputial Gland
- * Skin
- * Thyroid Gland

MISSING

- * Mammary Gland

OBSERVATIONS

- * Heart
- * Kidney
- * Liver
- Cardiomyopathy
- Nephropathy
- Eosinophilic Focus
- Hemangiosarcoma
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- Minimal
- Minimal
- Multiple
- Note: One of the carcinomas in TGL-1 was largely necrotic.
- [Hepatocellular Adenoma TGLs = 3-12]
- [Hepatocellular Carcinoma TGLs = 1,2-10+11]
- * Lymph Node, Mesenteric
- * Nose
- Nerve
- Glands, Olfactory Epi
- Glands, Respirat Epith
- Respirat Epith
- Glands, Olfactory Epi
- Olfactory Epi
- Glands, Olfactory Epi
- Atrophy
- Atrophy
- Dilatation
- Dilatation
- Hyperplasia
- Hyperplasia
- Inflammation
- Metaplasia
- Metaplasia
- Moderate
- Marked
- Mild
- Moderate
- Minimal
- Mild
- Minimal
- Respiratory, Moderate
- Respiratory, Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 183

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603803

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Hematopoietic Cell Proliferation	Mild
	Hyperplasia	Lymphoid, Minimal
	Pigmentation	Minimal
* Thymus	Atrophy	Moderate
	Infiltration Cellular	Mast Cell, Mild
Tooth	Dysplasia	

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 184

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603804

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Intestine Small, Jejunum	Peyers Patch	Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 9 - 14]		
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Hepatoblastoma TGLs = 4 - 11]		
	[Hepatocellular Adenoma TGLs = 5 - 12]		
	[Hepatocellular Carcinoma TGLs = 3,7-10+13]		
	[Mixed Cell Focus TGLs = 6 - 5]		
* Lung		Hepatoblastoma	Metastatic (Liver)
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 8 - 5]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Nerve	Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 184

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603804

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands, Olfactory Epi	Dilatation	Minimal
	Glands, Respirat Epith	Dilatation	Mild
	Glands, Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Mild
	Glands, Olfactory Epi	Metaplasia	Respiratory, Mild
* Preputial Gland		Inflammation	Moderate
	[Inflammation TGLs = 1 - 8]		
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 2 - 4]		
* Thymus		Atrophy	Marked

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 185

TRT#: 7

SEX: Male

DAY ON TEST: 672

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603805

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
	Hepatocyte	Hepatocellular Adenoma	Multiple
		Hypertrophy	Moderate
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 6,7,9 - 12+13+15]		
	[Hepatocellular Adenoma TGLs = 4,8 - 4+14]		
* Lymph Node, Mesenteric		Atrophy	Mild
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 3 - 11]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Nerve	Atrophy	Mild
	Glands, Olfactory Epi	Dilatation	Mild
	Glands, Respirat Epith	Dilatation	Minimal
	Glands, Olfactory Epi	Hyperplasia	Moderate
	Olfactory Epi	Metaplasia	Respiratory, Mild
	Glands, Olfactory Epi	Metaplasia	Respiratory, Mild
* Preputial Gland		Ectasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 185

TRT#: 7

SEX: Male

DAY ON TEST: 672

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603805

ORGAN AND ACCOUNTABLE SITE STATUS

[Ectasia TGLs = 1 - 8]			
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLs = 2 - 10]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
[Hyperplasia TGLs = 5 - 5]			
* Thymus		Atrophy	Marked
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibrosarcoma

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 186

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603806

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Bone Marrow
- * Brain
- * Eye
- * Gallbladder
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Jejunum
- * Islets, Pancreatic
- * Lymph Node, Mesenteric
- * Pancreas
- * Prostate
- * Salivary Glands
- * Stomach, Forestomach
- * Stomach, Glandular
- * Trachea
- * Urinary Bladder
- Blood Vessel
- * Epididymis
- * Harderian Gland
- * Intestine Small, Duodenum
- * Lung
- * Pituitary Gland
- * Seminal Vesicle
- * Testes
- * Bone
- * Esophagus
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mandibular
- * Preputial Gland
- * Skin
- * Thyroid Gland

MISSING

- * Mammary Gland
- * Parathyroid Gland

OBSERVATIONS

- * Heart
- * Kidney
- * Liver
- [Hepatocellular Adenoma TGLs = 2,3,4,5 - 11+12+13+14]
- [Hepatocellular Carcinoma TGLs = 1 - 10]
- * Nose
- Nerve
- Glands, Olfactory Epi
- Glands, Respirat Epith
- Respirat Epith
- Glands, Olfactory Epi
- Glands, Respirat Epith
- Olfactory Epi
- Glands, Olfactory Epi
- Glands, Respirat Epith
- * Spleen
- * Thymus
- Cardiomyopathy
- Nephropathy
- Eosinophilic Focus
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- Atrophy
- Dilatation
- Dilatation
- Hyperplasia
- Hyperplasia
- Hyperplasia
- Hyperplasia
- Metaplasia
- Metaplasia
- Metaplasia
- Pigmentation
- Atrophy
- Minimal
- Minimal
- Multiple
- Minimal
- Minimal
- Minimal
- Moderate
- Minimal
- Minimal
- Respiratory, Mild
- Respiratory, Mild
- Respiratory, Minimal
- Mild
- Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 186

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603806

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth

Dysplasia

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 187

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603807

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Pancreas | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- | | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

- | | | |
|--------------------------|--|-------------------------|
| * Heart | Cardiomyopathy | Minimal |
| * Kidney | Nephropathy | Minimal |
| * Liver | Eosinophilic Focus | |
| | Hepatocellular Adenoma | Multiple |
| | Hepatocellular Carcinoma | |
| | Inflammation | Chronic Active, Minimal |
| | [Eosinophilic Focus TGLs = 5,6,7 - 13] | |
| | [Hepatocellular Adenoma TGLs = 1,3,4 - 10+12+13] | |
| | [Hepatocellular Carcinoma TGLs = 2 - 11] | |
| * Lymph Node, Mesenteric | Atrophy | Mild |
| * Nose | Olfactory Epi | Minimal |
| | Respirat Epith | Minimal |
| | Glands, Olfactory Epi | Minimal |
| | Glands, Respirat Epith | Minimal |
| | Respirat Epith | Minimal |
| | Glands, Olfactory Epi | Minimal |
| | Glands, Respirat Epith | Minimal |
| | Olfactory Epi | Respiratory, Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 187

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603807

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal
	Glands, Respirat Epith	Metaplasia	Respiratory, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 188

TRT#: 7

SEX: Male

DAY ON TEST: 580

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603808

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Pancreas	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	Tooth
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Carcinoma	
	Hepatocyte	Hypertrophy	Mild
		Necrosis	Mild
	[Eosinophilic Focus TGLs = 3 - 12]		
	[Hepatoblastoma TGLs = 1 - 10]		
	[Hepatocellular Carcinoma TGLs = 2 - 11]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mesenteric		Atrophy	Mild
* Nose	Glands, Olfactory Epi	Dilatation	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
	Glands, Olfactory Epi	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
	Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal
	Vomeronas Org	Necrosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 188

TRT#: 7

SEX: Male

DAY ON TEST: 580

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603808

ORGAN AND ACCOUNTABLE SITE STATUS

Pigmentation

Minimal

Atrophy

Marked

* Thymus

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Liver Hepatoblastoma

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 189

TRT#: 7

SEX: Male

DAY ON TEST: 693

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603809

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Preputial Gland | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Stomach, Glandular | * Testes | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|---------------|--------------|------------------------------|--------------------|
| * Bone Marrow | | Hyperplasia | Moderate |
| * Heart | | Inflammation | Minimal |
| | | Mineralization | Mild |
| * Kidney | Renal Tubule | Dilatation | Marked |
| | | Mineralization | Minimal |
| | Renal Tubule | Necrosis | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Fatty Change | Mild |
| | | Hepatoblastoma | |
| | | Hepatocellular Adenoma | |
| | | Mineralization | Mild |
| | | Mixed Cell Focus | |
| | | Necrosis | Moderate |
| | | | |
| | | Alveolar/Bronchiolar Adenoma | |
| | | Hepatoblastoma | Metastatic (Liver) |

Note: TGL-2 = post-necrotic nodular regeneration.

[Eosinophilic Focus TGLs = 3 - 12]

[Hepatoblastoma TGLs = 4 - 13]

[Necrosis TGLs = 1,2 - 10+11]

- * Lung

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 189

TRT#: 7

SEX: Male

DAY ON TEST: 693

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603809

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Atrophy	Moderate
		Hyperplasia	Lymphoid, Mild
* Nose	Nerve	Atrophy	Marked
	Glands, Olfactory Epi	Dilatation	Mild
	Glands, Respirat Epith	Dilatation	Mild
	Glands, Olfactory Epi	Hyperplasia	Moderate
	Glands, Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Moderate
	Glands, Olfactory Epi	Metaplasia	Respiratory, Moderate
	Glands, Respirat Epith	Metaplasia	Respiratory, Mild
* Prostate		Inflammation	Mild
* Spleen		Atrophy	Marked
		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Inflammation	Minimal
		Ulcer	Mild
* Thymus		Atrophy	Marked
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 190

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603810

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	Hepatocyte	Hypertrophy	Mild
		Mixed Cell Focus	
	[Eosinophilic Focus TGLs = 6 - 14]		
	[Hepatocellular Adenoma TGLs = 2,3,4,5 - 11+12+13+14]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Adenoma TGLs = 7 - 15]		
	[Alveolar/Bronchiolar Carcinoma TGLs = 1 - 10]		
* Nose	Respirat Epi	Accumulation, Hyaline Droplet	Mild
	Nerve	Atrophy	Minimal
	Glands, Olfactory Epi	Dilatation	Minimal
	Glands, Olfactory Epi	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Respiratory, Mild
	Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 190

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603810

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Pigmentation

Mild

* Thymus

Atrophy

Mild

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 191

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603811

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|---|------------------------|--------------------------|-------------------------|
| * Heart | | Mineralization | Minimal |
| * Intestine Small, Jejunum | | Adenoma | |
| [Adenoma TGLs = 5 - 14] | | | |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatoblastoma | |
| | | Hepatocellular Carcinoma | Multiple |
| | | Inflammation | Chronic Active, Minimal |
| | | Necrosis | Mild |
| Note: Hepatoblastoma arose in the hepatocellular carcinoma. | | | |
| [Hepatoblastoma TGLs = 1 - 10] | | | |
| [Hepatocellular Carcinoma TGLs = 2,3-11+12] | | | |
| [Necrosis TGLs = 4 - 13] | | | |
| * Lung | | Hepatoblastoma | Metastatic (Liver) |
| * Nose | Nerve | Atrophy | Mild |
| | Glands, Olfactory Epi | Dilatation | Mild |
| | Glands, Respirat Epith | Dilatation | Minimal |
| | Respirat Epith | Hyperplasia | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 191

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603811

ORGAN AND ACCOUNTABLE SITE STATUS

Glands, Olfactory Epi	Hyperplasia	Minimal
Glands, Respirat Epith	Hyperplasia	Minimal
Olfactory Epi	Metaplasia	Respiratory, Moderate
Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal
Glands, Respirat Epith	Metaplasia	Respiratory, Minimal
* Spleen	Atrophy	Minimal
	Hematopoietic Cell Proliferation	Moderate
* Thymus	Atrophy	Marked

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 192

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603812

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Bone Marrow
- * Brain
- * Eye
- * Gallbladder
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Pancreas
- * Parathyroid Gland
- * Prostate
- * Salivary Glands
- * Stomach, Forestomach
- * Stomach, Glandular
- * Trachea
- * Urinary Bladder
- * Blood Vessel
- * Epididymis
- * Harderian Gland
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Pituitary Gland
- * Seminal Vesicle
- * Testes
- * Bone
- * Esophagus
- * Heart
- * Intestine Small, Duodenum
- * Lymph Node, Mandibular
- * Preputial Gland
- * Skin
- * Thyroid Gland

MISSING

- * Mammary Gland

OBSERVATIONS

- * Kidney
- * Liver
- [Hepatocellular Adenoma TGLs = 2,5 - 11+14]
- [Hepatocellular Carcinoma TGLs = 1,3 - 10+12]
- [Mixed Cell Focus TGLs = 4 - 13]
- * Lung
- * Lymph Node, Mesenteric
- * Nose
- Alveolus
- Respirat Epith
- Nerve
- Glands, Olfactory Epi
- Glands, Respirat Epith
- Respirat Epith
- Glands, Olfactory Epi
- Olfactory Epi
- Nephropathy
- Eosinophilic Focus
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- Inflammation
- Mixed Cell Focus
- Infiltration Cellular
- Atrophy
- Accumulation, Hyaline Droplet
- Atrophy
- Dilatation
- Dilatation
- Hyperplasia
- Hyperplasia
- Metaplasia
- Mild
- Multiple
- Multiple
- Chronic Active, Minimal
- Histiocyte, Minimal
- Mild
- Minimal
- Minimal
- Minimal
- Minimal
- Minimal
- Mild
- Respiratory, Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 192

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603812

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal
* Thymus		Pigmentation	Minimal
Tooth		Atrophy	Mild
		Dysplasia	

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANATOMY PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 193

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603813

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 3-12]		
	[Hepatocellular Carcinoma TGLs = 1,2,4,5-10+11+13+14]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Nerve	Atrophy	Mild
	Glands, Olfactory Epi	Dilatation	Moderate
	Glands, Respirat Epith	Dilatation	Mild
	Glands, Olfactory Epi	Hyperplasia	Mild
		Inflammation	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Moderate
	Glands, Olfactory Epi	Metaplasia	Respiratory, Mild
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Mild
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 194

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603814

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|------------------|--|------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Adenoma | |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | Hepatocyte | Hypertrophy | Mild |
| | | Inflammation | Chronic Active, Minimal |
| | | Mixed Cell Focus | |
| | [Eosinophilic Focus TGLs = 4 - 13] | | |
| | [Hepatocellular Adenoma TGLs = 1,2,3 - 10+11+12] | | |
| * Nose | Glands, Olfactory Epi | Dilatation | Mild |
| | Glands, Olfactory Epi | Hyperplasia | Mild |
| | Respirat Epith | Hyperplasia | Minimal |
| | Olfactory Epi | Metaplasia | Respiratory, Mild |
| | Glands, Olfactory Epi | Metaplasia | Respiratory, Mild |
| * Spleen | | Pigmentation | Mild |
| * Thymus | | Atrophy | Mild |
| Tooth | | Dysplasia | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 195

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603815

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland * Thymus

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLs = 1 - 6]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Hepatocholangiocarcinoma	
		Hypertrophy	Mild
	Hepatocyte		
	[Hepatocellular Adenoma TGLs = 3,6,7,8 - 11+14+15+16]		
	[Hepatocellular Carcinoma TGLs = 2,4,5-10+12+13]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Nerve	Atrophy	Minimal
	Glands, Olfactory Epi	Dilatation	Mild
	Glands, Respirat Epith	Dilatation	Mild
	Glands, Olfactory Epi	Hyperplasia	Moderate
	Olfactory Epi	Metaplasia	Respiratory, Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 195

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603815

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Glands, Olfactory Epi	Metaplasia Hematopoietic Cell Proliferation Hyperplasia Pigmentation	Respiratory, Minimal Mild Lymphoid, Mild Minimal
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TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 196

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603816

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Bone Marrow
- * Brain
- * Eye
- * Gallbladder
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Lymph Node, Mandibular
- * Lymph Node, Mesenteric
- * Pituitary Gland
- * Preputial Gland
- * Seminal Vesicle
- * Skin
- * Thyroid Gland
- * Trachea
- Blood Vessel
- * Epididymis
- * Harderian Gland
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Pancreas
- * Prostate
- * Stomach, Glandular
- * Urinary Bladder
- * Bone
- * Esophagus
- * Heart
- * Intestine Small, Duodenum
- * Lung
- * Parathyroid Gland
- * Salivary Glands
- * Testes

MISSING

- * Mammary Gland

OBSERVATIONS

- * Kidney Nephropathy Minimal
- * Liver Eosinophilic Focus
- Hepatocellular Adenoma Multiple
- Hepatocellular Carcinoma Chronic Active, Minimal
- Inflammation
- [Hepatocellular Adenoma TGLs = 1,2,4,5 - 10+11+13+14]
- [Hepatocellular Carcinoma TGLs = 3 - 12]
- * Nose Glands, Olfactory Epi Dilatation Minimal
- Glands, Respirat Epith Dilatation Minimal
- Glands, Olfactory Epi Hyperplasia Mild
- Respirat Epith Hyperplasia Minimal
- Olfactory Epi Metaplasia Respiratory, Minimal
- Glands, Olfactory Epi Metaplasia Respiratory, Mild
- * Spleen Pigmentation Mild
- * Stomach, Forestomach Epithelium Hyperplasia Moderate
- Inflammation Moderate
- [Hyperplasia TGLs = 6 - 5]
- * Thymus Atrophy Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 196

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603816

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth

Dysplasia

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 197

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603817

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Hepatocyte	Hypertrophy	Mild
	Note: Hepatocellular carcinoma (TGL-1) is also in B12.		
	[Eosinophilic Focus TGLs = 5-14]		
	[Hepatocellular Adenoma TGLs = 2,3 - 11+13]		
	[Hepatocellular Carcinoma TGLs = 1,4-10+12]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Alveolar/Bronchiolar Carcinoma TGLs = 6 - 15]		
* Lymph Node, Mesenteric		Atrophy	Mild
* Nose	Nerve	Atrophy	Moderate
	Glands, Olfactory Epi	Dilatation	Mild
	Glands, Respirat Epith	Dilatation	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 197

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603817

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Hyperplasia	Mild
	Glands, Olfactory Epi	Hyperplasia	Moderate
	Olfactory Epi	Metaplasia	Respiratory, Moderate
	Glands, Olfactory Epi	Metaplasia	Respiratory, Moderate
* Spleen		Hemangiosarcoma	
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Moderate
		Ulcer	Mild
	[Hyperplasia TGLs = 7 - 5]		
* Thymus		Atrophy	Moderate

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 198

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603818

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Cortex	Cyst	Minimal
		Nephropathy	Moderate
	[Nephropathy TGLs = 3 - 4]		
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	Hepatocyte	Hypertrophy	Moderate
	[Eosinophilic Focus TGLs = 7 - 12]		
	[Hepatocellular Adenoma TGLs = 4,5,6,8 - 10+11+12+13]		
* Nose	Nerve	Atrophy	Minimal
	Glands, Olfactory Epi	Dilatation	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Glands, Olfactory Epi	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
	Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal
* Spleen	Red Pulp	Atrophy	Mild
		Pigmentation	Mild
	[Atrophy TGLs = 1 - 4]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 198

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603818

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Urinary Bladder		Calculus Gross Observation	
	Transit Epithe	Hyperplasia	Moderate
		Inflammation	Marked

Note: Abundant bacteria (cocci) are present in the bladder and extending into the calculus.

[Calculus Gross Observation TGLs = 2 - 4]

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 199

TRT#: 7

SEX: Male

DAY ON TEST: 655

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603819

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|---------------|---|----------------------------------|-----------------------|
| * Bone Marrow | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatoblastoma | |
| | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | Multiple |
| | [Hepatoblastoma TGLs = 2 - 11] | | |
| | [Hepatocellular Adenoma TGLs = 6 - 15] | | |
| | [Hepatocellular Carcinoma TGLs = 3,4,5 - 12+13+14] | | |
| * Lung | | Hepatoblastoma | Metastatic (Liver) |
| | Note: Hepatocellular Carcinoma Metastatic was not diagnosed because it was considered to be a component of the Hepatoblastoma | | Metastatic. |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Nasolacrim Dct | Hyperplasia | Regenerative, Minimal |
| | | Inflammation | Minimal |
| * Skin | | Inflammation | Mild |
| | | Ulcer | Mild |
| | [Ulcer TGLs = 1 - 10] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 199

TRT#: 7

SEX: Male

DAY ON TEST: 655

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603819

ORGAN AND ACCOUNTABLE SITE STATUS

Pigmentation

Minimal

Atrophy

Moderate

* Thymus

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Lung Hepatoblastoma Liver

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 200

TRT#: 7

SEX: Male

DAY ON TEST: 638

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603820

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Pelvis	Dilatation	Mild
		Infarct	Mild
		Mineralization	Mild
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	Kupffer Cell	Hyperplasia	Mild
	[Hepatocellular Adenoma TGLs = 1 - 4]		
	[Hepatocellular Carcinoma TGLs = 2 - 13]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	[Hepatocellular Carcinoma TGLs = 3,4 - 11+12]		
* Lymph Node, Mesenteric		Atrophy	Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Nerve	Atrophy	Minimal
	Glands, Olfactory Epi	Dilatation	Mild
	Nasolacrim Dct	Hyperplasia	Regenerative, Minimal
	Glands, Olfactory Epi	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Mild
	Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 200

TRT#: 7

SEX: Male

DAY ON TEST: 638

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603820

ORGAN AND ACCOUNTABLE SITE STATUS

Skeletal Muscle	Olfactory Epi	Necrosis	Minimal
[Sarcoma TGLs = 5 - 10]		Sarcoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Stomach, Forestomach		Inflammation	Minimal
		Ulcer	Mild
Note: TGL-6 = focal adhesion of serosa to liver lobule (B05).			
[Inflammation TGLs = 6 - 5]			
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Kidney Infarct

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 201

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603821

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Liver		Eosinophilic Focus Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 2 - 10]		
* Lymph Node, Mesenteric		Angiectasis	Mild
* Nose	Respirat Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Glandular		Mineralization	Minimal
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	
* Uterus		Dilatation	Minimal
	[Dilatation TGLs = 1 - 7]		

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 202

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603822

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|---|---------------|------------------------------------|-------------------------|
| * Intestine Large, Cecum
[Hyperplasia TGLs = 4 - 12] | Lymphoid Tiss | Hyperplasia | Lymphoid, Moderate |
| * Liver | | Eosinophilic Focus
Inflammation | Chronic Active, Minimal |
| * Lung
[Alveolar/Bronchiolar Adenoma TGLs = 2,3 - 10+11] | | Alveolar/Bronchiolar Adenoma | Multiple |
| * Spleen | | Atrophy
Pigmentation | Minimal
Minimal |
| * Thymus | | Atrophy | Mild |
| * Uterus
[Hyperplasia TGLs = 1 - 7] | Endometrium | Hyperplasia
Inflammation | Cystic, Mild
Mild |

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 203

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603823

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Liver		Eosinophilic Focus Hepatocellular Adenoma Inflammation	Chronic Active, Minimal
	Note: TGL-2 was a vessel containing blood, not an abnormality. [Eosinophilic Focus TGLs = 3,5 - 11+13] [Hepatocellular Adenoma TGLs = 4 - 12]		
Lymph Node	Mediastinal	Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 6 - 14]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Ovary		Angiectasis	Marked
		Atrophy	Marked
	[Angiectasis TGLs = 7 - 7]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Lymphoma Malignant	
* Thymus		Atrophy	Moderate
* Uterus		Dilatation	Moderate
	[Dilatation TGLs = 1 - 7]		

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 204

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603824

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Intestine Small, Duodenum	Peyers Patch	Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 5 - 13]		
* Liver		Basophilic Focus	
	Bile Duct	Cyst	Mild
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
	[Basophilic Focus TGLs = 2 - 10]		
	[Cyst TGLs = 3,4 - 11+12]		
* Lung	Alveolar Epith	Hyperplasia	Marked
	[Hyperplasia TGLs = 7 - 15]		
Lymph Node	Renal	Ectasia	Marked
Note: TGL-6 largely contains fibrin.			
	[Ectasia TGLs = 6 - 14]		
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Hyperplasia	Lymphoid, Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
Tooth		Dysplasia	
* Uterus		Dilatation	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 204

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603824

ORGAN AND ACCOUNTABLE SITE STATUS

[Dilatation TGLs = 1 - 7]

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 205

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603825

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Liver		Inflammation	Chronic Active, Minimal
* Nose	Glands, Respirat Epith	Dilatation	Minimal
* Ovary		Atrophy	Moderate
* Spleen		Hyperplasia	Lymphoid, Moderate
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

[Hyperplasia TGLs = 1 - 7]

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 206

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603826

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Infarct	Mild
* Liver		Inflammation	Chronic Active, Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Ovary		Angiectasis	Marked
		Atrophy	Marked
	[Angiectasis TGLs = 2 - 7]		
* Spleen		Atrophy	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
	[Hyperplasia TGLs = 1 - 7]		

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 207

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603827

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Liver		Hepatocellular Carcinoma Inflammation Lymphoma Malignant	Chronic Active, Minimal
	[Hepatocellular Carcinoma TGLs = 2 - 10]		
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Ovary		Atrophy	Moderate
* Salivary Glands		Adenoma	
* Spleen		Lymphoma Malignant Pigmentation	Minimal
	[Lymphoma Malignant TGLs = 1 - 4]		
* Stomach, Forestomach		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 3 - 11]		
* Thymus		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 208

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603828

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney		Infarct	Mild
* Liver		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Carcinoma	
	[Carcinoma TGLs = 1 - 10]		
* Nose	Glands, Olfactory Epi	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
		Pigmentation	Minimal
	[Hematopoietic Cell Proliferation TGLs = 2 - 4]		
* Thymus		Atrophy	Mild
* Uterus		Dilatation	Moderate
	[Dilatation TGLs = 3 - 7]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 209

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603829

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Atrophy	Minimal
* Liver		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Mixed Cell Focus TGLs = 2 - 10]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
Tooth		Dysplasia	
* Uterus		Angiectasis	Mild
	Endometrium	Hyperplasia	Cystic, Minimal
	[Angiectasis TGLs = 1 - 7]		

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 210

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603830

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLs = 1 - 10]		
* Liver		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Glands, Respirat Epith	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Ovary		Atrophy	Mild
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 211

TRT#: 2

SEX: Female

DAY ON TEST: 645

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603831

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
		Lymphoma Malignant	
* Ovary		Atrophy	Marked
* Skin	Subcut Tiss	Fibrosarcoma	
	[Fibrosarcoma TGLs = 1 - 11]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Marked
		Ulcer	Mild
	[Hyperplasia TGLs = 2 - 10]		
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 212

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603832

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Liver		Eosinophilic Focus Inflammation	Chronic Active, Mild
	[Eosinophilic Focus TGLs = 3 - 5]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
* Ovary		Atrophy	Mild
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLs = 1 - 10]		
* Spleen		Lymphoma Malignant Pigmentation	Minimal
	[Lymphoma Malignant TGLs = 4 - 4]		
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	
* Uterus		Dilatation	Moderate
	[Dilatation TGLs = 2 - 7]		

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 213

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603833

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|--------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Islets, Pancreatic | * Lung | * Lymph Node, Mesenteric |
| * Mammary Gland | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|---|---|-------------------------------|-------------------------|
| * Intestine Small, Jejunum | Peyers Patch | Lymphoma Malignant | |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Inflammation | Chronic Active, Minimal |
| | [Basophilic Focus TGLs = 3 - 11] | | |
| | [Hepatocellular Adenoma TGLs = 2,4 - 10 + 12] | | |
| Lymph Node | Bronchial | Lymphoma Malignant | |
| Note: Bronchial lymph node lesion observed on routine section of lungs (B03). | | | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Glands, Respirat Epith | Dilatation | Minimal |
| | Respirat Epith | Hyperplasia | Minimal |
| * Ovary | | Atrophy | Moderate |
| * Spleen | | Lymphoma Malignant | |
| | | Pigmentation | Minimal |
| * Thymus | | Atrophy | Mild |
| | | Lymphoma Malignant | |
| Tooth | | Dysplasia | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 213

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603833

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 1 - 7]

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 214

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603834

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Liver		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 1 - 10]			
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Glands, Olfactory Epi	Dilatation	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
* Ovary		Atrophy	Marked
* Spleen		Hyperplasia	Lymphoid, Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 215

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603835

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Pituitary Gland

OBSERVATIONS

* Bone	Fibro-Osseous Lesion	Mild
* Kidney	Infarct	Minimal
* Liver	Hepatocellular Adenoma	
	Inflammation	Chronic Active, Minimal
[Hepatocellular Adenoma TGLs = 3 - 11]		
* Ovary	Thrombosis	Marked
[Thrombosis TGLs = 2 - 10]		
* Spleen	Pigmentation	Minimal
* Thymus	Atrophy	Moderate
* Uterus	Dilatation	Moderate
[Dilatation TGLs = 1 - 7]		

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 216

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603836

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Pituitary Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Liver		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
	[Hepatocellular Adenoma TGLs = 1 - 10]		
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Ovary		Atrophy	Marked
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	[Hyperplasia TGLs = 2 - 7]		

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 217

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603837

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Ovary		Atrophy	Marked
* Skin	Epidermis	Hyperplasia	Mild
		Inflammation	Mild
	[Inflammation TGLs = 1 - 10]		
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 218

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603838

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
	[Hepatocellular Adenoma TGLs = 2 - 10]		
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Ovary		Atrophy	Marked
* Spleen		Hyperplasia	Lymphoid, Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Uterus		Dilatation	Mild
	[Dilatation TGLs = 1 - 7]		

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 219

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603839

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Harderian Gland		Adenoma	
[Adenoma TGLs = 3 - 9]			
* Liver		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLs = 2 - 10]			
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Glands, Olfactory Epi	Dilatation	Minimal
* Ovary		Atrophy	Marked
* Spleen		Hyperplasia	Lymphoid, Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	
* Uterus		Dilatation	Mild
[Dilatation TGLs = 1 - 7]			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 220

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603840

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 3 - 11]		
	[Hepatocellular Adenoma TGLs = 2 - 10]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
	Glands, Olfactory Epi	Dilatation	Minimal
	Glands, Olfactory Epi	Hyperplasia	Minimal
		Inflammation	Minimal
	Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal
* Ovary		Cystadenoma	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
Tooth		Dysplasia	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 1 - 7]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 221

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603841

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
* Bone		Osteopetrosis	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Lymphoma Malignant	
	[Hepatocellular Adenoma TGLs = 2 - 10]		
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 4 - 12]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Moderate
* Ovary		Atrophy	Marked
* Thymus		Atrophy	Mild
* Uterus		Dilatation	Moderate
	[Dilatation TGLs = 1 - 7]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 222

TRT#: 2

SEX: Female

DAY ON TEST: 444

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 0603842

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Liver		Lymphoma Malignant	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Ovary		Hemorrhage	Moderate
Note: Hemorrhage is into ovarian bursa. [Hemorrhage TGLs = 1 - 7]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
[Hematopoietic Cell Proliferation TGLs = 2 - 4]			
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 223

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603843

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Bone Marrow
- * Brain
- * Eye
- * Gallbladder
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Jejunum
- * Islets, Pancreatic
- * Lymph Node, Mandibular
- * Mammary Gland
- * Salivary Glands
- * Skin
- * Thyroid Gland
- * Trachea
- * Blood Vessel
- * Clitoral Gland
- * Heart
- * Intestine Small, Duodenum
- * Kidney
- * Pancreas
- * Stomach, Forestomach
- * Urinary Bladder
- * Bone
- * Esophagus
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lung
- * Parathyroid Gland
- * Stomach, Glandular

OBSERVATIONS

- * Harderian Gland
- * Liver
- [Eosinophilic Focus TGLs = 2 - 11]
- [Hepatocellular Adenoma TGLs = 1 - 10]
- Lymph Node
- * Lymph Node, Mesenteric
- * Nose
- Respirat Epith
- Glands, Olfactory Epi
- Glands, Respirat Epith
- Respirat Epith
- * Ovary
- [Cyst TGLs = 3 - 7]
- * Pituitary Gland
- * Spleen
- Pars Distalis
- * Thymus
- Tooth
- * Uterus
- Endometrium
- Hyperplasia
- Eosinophilic Focus
- Hepatocellular Adenoma
- Inflammation
- Lymphoma Malignant
- Lymphoma Malignant
- Accumulation, Hyaline Droplet
- Dilatation
- Dilatation
- Hyperplasia
- Cyst
- Hyperplasia
- Lymphoma Malignant
- Pigmentation
- Atrophy
- Dysplasia
- Hyperplasia
- Moderate
- Chronic Active, Minimal
- Minimal
- Minimal
- Minimal
- Minimal
- Minimal
- Mild
- Minimal
- Moderate
- Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 224

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603844

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Mammary Gland | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|--------------------------|--|--|--------------------|
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | |
| | [Hepatocellular Adenoma TGLs = 2 - 10] | | |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| * Nose | Respirat Epith
Glands, Olfactory Epi | Accumulation, Hyaline Droplet
Dilatation | Minimal
Minimal |
| * Ovary | | Cyst | Moderate |
| | [Cyst TGLs = 1 - 7] | | |
| * Spleen | | Hematopoietic Cell Proliferation
Pigmentation | Mild
Minimal |
| * Thymus | | Atrophy | Moderate |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 225

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603845

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Liver		Inflammation	Chronic Active, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Nose	Respirat Epith	Hyperplasia	Minimal
* Ovary		Atrophy	Marked
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

[Hyperplasia TGLs = 1 - 7]

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 226

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603846

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Esophagus	Muscularis	Inflammation	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Ovary		Atrophy	Moderate
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Minimal
		Hyperplasia	Lymphoid, Mild
Tooth		Dysplasia	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 227

TRT#: 2

SEX: Female

DAY ON TEST: 698

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 0603847

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Liver		Eosinophilic Focus Hemangioma Hepatocellular Adenoma Hepatocellular Carcinoma Inflammation	Chronic Active, Minimal
	[Hemangioma TGLs = 7 - 13]		
	[Hepatocellular Adenoma TGLs = 4 - 11]		
	[Hepatocellular Carcinoma TGLs = 3 - 10]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	[Hepatocellular Carcinoma TGLs = 6 - 12]		
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Marked
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Moderate
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	[Hyperplasia TGLs = 2 - 7]		

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 228

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603848

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
	[Basophilic Focus TGLs = 2 - 10]		
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Glands, Olfactory Epi	Dilatation	Minimal
* Ovary		Atrophy	Marked
		Cyst	Mild
	[Cyst TGLs = 1 - 7]		
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Mild

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 229

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603849

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Harderian Gland		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Ovary		Thrombosis	Marked
	[Thrombosis TGLs = 2 - 7]		
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Minimal
* Uterus		Dilatation	Marked
	[Dilatation TGLs = 1 - 7]		

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 230

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603850

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|--------------------------|--|-------------------------------|-------------------------|
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Angiectasis | Mild |
| | | Eosinophilic Focus | |
| | | Hepatocellular Carcinoma | |
| | | Inflammation | Chronic Active, Minimal |
| | [Angiectasis TGLs = 4 - 10] | | |
| | [Eosinophilic Focus TGLs = 3 - 12] | | |
| | [Hepatocellular Carcinoma TGLs = 1 - 10] | | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| Mesentery | Fat | Necrosis | Mild |
| | [Necrosis TGLs = 2 - 11] | | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Glands, Olfactory Epi | Dilatation | Minimal |
| * Ovary | | Atrophy | Marked |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Spleen | | Lymphoma Malignant | |
| * Thymus | | Lymphoma Malignant | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 231

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603851

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone		Fibro-Osseous Lesion	Mild
Note: Fibro-osseous lesion is in maxilla.			
* Harderian Gland		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Liver		Eosinophilic Focus	
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Ovary		Atrophy	Marked
* Spleen		Hyperplasia	Lymphoid, Mild
		Pigmentation	Minimal
* Thymus		Hyperplasia	Lymphoid, Mild

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 232

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603852

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|----------|---|-------------------------------|-------------------------|
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | | Inflammation | Chronic Active, Minimal |
| | [Eosinophilic Focus TGLs = 1,2 - 10+11] | | |
| | [Hepatocellular Adenoma TGLs = 3 - 12] | | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Mild |
| | Glands, Olfactory Epi | Dilatation | Minimal |
| | Glands, Olfactory Epi | Hyperplasia | Minimal |
| | Glands, Olfactory Epi | Metaplasia | Respiratory, Minimal |
| * Ovary | | Atrophy | Moderate |
| * Spleen | | Pigmentation | Mild |
| * Thymus | | Atrophy | Mild |
| * Uterus | | Angiectasis | Moderate |
| | Endometrium | Hyperplasia | Cystic, Minimal |
| | [Angiectasis TGLs = 4 - 7] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 233

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603853

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Liver		Lymphoma Malignant	
Lymph Node	Bronchial	Lymphoma Malignant	
Note: Bronchial lymph node lesion observed on routine section B03, with lungs.			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Nose	Glands, Olfactory Epi	Dilatation	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Ovary		Atrophy	Marked
* Spleen		Lymphoma Malignant	
* Thymus		Atrophy	Minimal
		Hyperplasia	Lymphoid, Minimal
* Uterus		Dilatation	Mild

[Dilatation TGLs = 1 - 7]

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 234

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603854

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-------------------|--|-------------------------------|-------------------|
| * Harderian Gland | | Hyperplasia | Marked |
| * Liver | | Hepatocellular Adenoma | |
| | [Hepatocellular Adenoma TGLs = 2 - 10] | | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| * Ovary | | Atrophy | Marked |
| * Spleen | | Hyperplasia | Lymphoid, Minimal |
| | | Pigmentation | Minimal |
| * Thymus | | Atrophy | Moderate |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| | [Hyperplasia TGLs = 1 - 7] | | |

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 235

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603855

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Liver		Inflammation	Chronic Active, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
	[Alveolar/Bronchiolar Adenoma TGLs = 1 - 10]		
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hyperplasia	Lymphoid, Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
Tooth		Dysplasia	

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 236

TRT#: 2

SEX: Female

DAY ON TEST: 666

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 0603856

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lung | * Lymph Node, Mandibular | * Mammary Gland | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

AUTO PRECLUDES DIAG.

- | | |
|--------------------------|----------|
| * Lymph Node, Mesenteric | * Spleen |
|--------------------------|----------|

OBSERVATIONS

- | | | | |
|----------|--|--|--------------------|
| * Liver | Bile Duct | Cyst
Eosinophilic Focus
Hepatocellular Carcinoma | Mild |
| | [Cyst TGLs = 3 - 11] | | |
| | [Hepatocellular Carcinoma TGLs = 2 - 10] | | |
| * Nose | Respirat Epith
Respirat Epith | Accumulation, Hyaline Droplet
Hyperplasia | Minimal
Minimal |
| * Ovary | | Atrophy | Marked |
| * Thymus | | Atrophy | Mild |
| * Uterus | | Dilatation | Mild |
| | [Dilatation TGLs = 1 - 7] | | |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 237

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603857

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Nose	Respirat Epith Glands, Respirat Epith	Accumulation, Hyaline Droplet Dilatation	Mild Minimal
* Ovary		Atrophy	Moderate
* Spleen		Hyperplasia Pigmentation	Lymphoid, Minimal Minimal
* Thymus		Atrophy	Mild

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 238

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603858

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Kidney		Lymphoma Malignant	
* Liver		Lymphoma Malignant	
* Lung		Lymphoma Malignant	
Lymph Node	Renal	Lymphoma Malignant	
	Lumbar	Lymphoma Malignant	
	Pancreatic	Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 2 - 11]		
[Lymphoma Malignant	TGLs = 3 - 12]		
[Lymphoma Malignant	TGLs = 5 - 13]		
* Lymph Node, Mandibular		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 1 - 10]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 6 - 5]		
* Nose	Glands, Respirat Epith	Dilatation	Minimal
* Ovary		Atrophy	Marked
* Salivary Glands		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 4 - 4]		
* Thymus		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 239

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603859

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|----------|--|----------------------------------|-------------------------|
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | | Inflammation | Chronic Active, Minimal |
| | | Mixed Cell Focus | |
| | [Eosinophilic Focus TGLs = 2 - 11] | | |
| | [Hepatocellular Adenoma TGLs = 1 - 10] | | |
| | [Mixed Cell Focus TGLs = 3 - 12] | | |
| * Ovary | | Atrophy | Moderate |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Minimal |
| * Thymus | | Atrophy | Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 240

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603860

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lung | * Lymph Node, Mandibular | * Mammary Gland | * Pancreas |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|---------------------------|----------------|----------------------------------|-------------------------|
| * Liver | | Inflammation | Chronic Active, Minimal |
| Lymph Node | Renal | Ectasia | Marked |
| [Ectasia TGLs = 1 - 10] | | | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| * Ovary | | Atrophy | Marked |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Hyperplasia | Lymphoid, Mild |
| * Thymus | | Atrophy | Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 241

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603861

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Uterus	

OBSERVATIONS

* Bone		Fibro-Osseous Lesion	Minimal
* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Lymphoma Malignant	
		Pigmentation	Moderate
* Lung		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Glands, Olfactory Epi	Dilatation	Minimal
* Ovary		Atrophy	Marked
* Pancreas		Atrophy	Moderate
		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 1 - 4]		
* Stomach, Glandular		Lymphoma Malignant	
* Thymus		Atrophy	Moderate
		Lymphoma Malignant	
* Urinary Bladder		Lymphoma Malignant	

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 242

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603862

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Kidney		Infarct	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Intermed	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Mild

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 243

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603863

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 3 - 11]		
	[Hepatocellular Adenoma TGLs = 2 - 10]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Glands, Olfactory Epi	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Ovary		Atrophy	Marked
* Spleen		Hyperplasia	Lymphoid, Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Uterus		Dilatation	Mild
	[Dilatation TGLs = 1 - 7]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 244

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603864

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|-------------------|--|----------------------------------|-------------------------|
| * Liver | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | | Inflammation | Chronic Active, Minimal |
| | [Basophilic Focus TGLs = 2 - 11] | | |
| | [Hepatocellular Adenoma TGLs = 1 - 10] | | |
| Mesentery | Fat | Necrosis | Mild |
| | [Necrosis TGLs = 3 - 12] | | |
| * Ovary | | Atrophy | Marked |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | | Pigmentation | Mild |
| * Thymus | | Atrophy | Mild |
| Tooth | | Dysplasia | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 245

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603865

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea			

OBSERVATIONS

* Intestine Small, Jejunum	Peyers Patch	Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Lymphoma Malignant	
* Lung		Lymphoma Malignant	
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Ovary		Cyst	Mild
		Tubulostromal Adenoma	
* Salivary Glands		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Urinary Bladder		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 246

TRT#: 2

SEX: Female

DAY ON TEST: 666

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 0603866

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|----------|------------------------------|----------------------------------|----------|
| * Heart | | Mineralization | Minimal |
| * Kidney | Renal Tubule | Necrosis | Marked |
| * Liver | | Necrosis | Mild |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Glands, Olfactory Epi | Dilatation | Minimal |
| | Respirat Epith | Hyperplasia | Minimal |
| | | Inflammation | Minimal |
| * Ovary | | Atrophy | Marked |
| | | Hemorrhage | Marked |
| | [Hemorrhage TGLs = 1 - 10] | | |
| * Spleen | | Atrophy | Moderate |
| | | Hematopoietic Cell Proliferation | Moderate |
| | | Pigmentation | Minimal |
| * Thymus | | Atrophy | Marked |

PRIMARY CAUSE OF DEATH - Ovary Hemorrhage
 CONTRIBUTORY CAUSE OF DEATH - Kidney Renal Tubule Necrosis
 - Liver Necrosis

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 247

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603867

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|----------|--|--|----------------------|
| * Liver | | Eosinophilic Focus
Hepatocellular Adenoma
Hepatocellular Carcinoma
Inflammation | Chronic Active, Mild |
| | [Eosinophilic Focus TGLs = 3 - 12]
[Hepatocellular Adenoma TGLs = 2 - 11]
[Hepatocellular Carcinoma TGLs = 1 - 10] | | |
| * Nose | Respirat Epith
Glands, Respirat Epith | Accumulation, Hyaline Droplet
Dilatation | Minimal
Minimal |
| * Ovary | | Atrophy | Moderate |
| * Spleen | | Hyperplasia | Lymphoid, Mild |
| * Thymus | | Atrophy | Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 248

TRT#: 2

SEX: Female

DAY ON TEST: 642

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603868

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lung |
| * Mammary Gland | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|--------------------------|-------------------------------------|-------------------------------|-------------------------|
| * Harderian Gland | | Inflammation | Moderate |
| * Liver | | Fatty Change | Marked |
| | | Inflammation | Chronic Active, Minimal |
| * Lymph Node, Mandibular | | Atrophy | Moderate |
| * Lymph Node, Mesenteric | | Atrophy | Mild |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Olfactory Epi | Metaplasia | Respiratory, Minimal |
| * Ovary | | Atrophy | Mild |
| * Skin | Subcut Tiss | Fibrosarcoma | Multiple |
| | [Fibrosarcoma TGLs = 1,2 - 10+11] | | |
| * Spleen | | Infiltration Cellular | Plasma Cell, Moderate |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Moderate |
| | | Inflammation | Moderate |
| | | Ulcer | Mild |
| | [Inflammation TGLs = 3 - 12] | | |
| * Stomach, Glandular | Epithelium | Necrosis | Minimal |
| * Thymus | | Atrophy | Marked |
| Tooth | | Dysplasia | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 249

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603869

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|----------|--|----------------------------------|-------------------------|
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | Multiple |
| | | Inflammation | Chronic Active, Minimal |
| | [Hepatocellular Adenoma TGLs = 2,4,5 - 11+13+14] | | |
| | [Hepatocellular Carcinoma TGLs = 1,3 - 10+12] | | |
| * Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Mild |
| | Olfactory Epi | Accumulation, Hyaline Droplet | Minimal |
| * Ovary | | Atrophy | Marked |
| * Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | | Hyperplasia | Lymphoid, Mild |
| | | Pigmentation | Minimal |
| * Thymus | | Atrophy | Marked |
| Tooth | | Dysplasia | |
| | Peridont Tiss, Pulp | Inflammation | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 250

TRT#: 2

SEX: Female

DAY ON TEST: 663

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603870

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--|-------------|--------------|-------------------------|
| * Brain | | Necrosis | Moderate |
| * Liver | | Inflammation | Chronic Active, Minimal |
| * Ovary | | Atrophy | Moderate |
| * Spleen | | Pigmentation | Minimal |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Moderate |
| | | Inflammation | Mild |
| | | Necrosis | Minimal |
| Note: Necrotic material in forestomach appears to involve a submucosal artery. | | | |
| * Thymus | | Atrophy | Marked |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| [Hyperplasia TGLs = 1 - 7] | | | |

PRIMARY CAUSE OF DEATH - Brain Necrosis

Animal Note: Suspected mechanism for brain necrosis is that there was embolism of necrotic material from the forestomach, or septic embolism, obstructing a cerebral vessel.

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 251

TRT#: 4

SEX: Female

DAY ON TEST: 720

DOSE: 6 MG/KG

DISP: Natural Death

HISTO: 0603871

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Sarcoma	Metastatic (Skeletal Muscle)
* Kidney		Accumulation, Hyaline Droplet	Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Necrosis	Mild
		Sarcoma	Metastatic (Skeletal Muscle)
	[Hepatocellular Adenoma TGLs = 10 - 19]		
	[Hepatocellular Carcinoma TGLs = 9 - 18]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
		Sarcoma	Metastatic (Skeletal Muscle)
* Lymph Node, Mandibular		Atrophy	Marked
* Lymph Node, Mesenteric		Sarcoma	Metastatic (Skeletal Muscle)
Mesentery	Fat	Necrosis	Marked
		Sarcoma	Metastatic (Skeletal Muscle)
	[Necrosis TGLs = 11,13 - 20+22]		
	[Sarcoma TGLs = 11,13 - 20+22]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Glands, Respirat Epith	Dilatation	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 251

TRT#: 4

SEX: Female

DAY ON TEST: 720

DOSE: 6 MG/KG

DISP: Natural Death

HISTO: 0603871

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Hyperplasia	Minimal
* Ovary		Atrophy	Marked
Oviduct		Sarcoma	Metastatic (Skeletal Muscle)
Note: Lesion noted in routine section with ovaries.			
* Pancreas		Sarcoma	Metastatic (Skeletal Muscle)
Skeletal Muscle		Sarcoma	
Note: Diaphragm and body wall musculature were involved.			
[Sarcoma TGLs = 12 - 21]			
* Skin		Inflammation	Marked
		Ulcer	Marked
[Inflammation TGLs = 7 - 16]			
[Ulcer TGLs = 1,2,4,5,6,8 - 10+11+13+14+15+17]			
* Spleen		Atrophy	Marked
		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
		Sarcoma	Metastatic (Skeletal Muscle)
* Thymus		Sarcoma	Metastatic (Skeletal Muscle)
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Mesentery Sarcoma Skeletal Muscle

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 252

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603872

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Harderian Gland		Hyperplasia	Moderate
* Kidney		Infarct	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
	[Basophilic Focus TGLs = 4 - 11]		
	[Eosinophilic Focus TGLs = 5 - 12]		
	[Hepatocellular Adenoma TGLs = 3 - 11]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
* Ovary		Thecoma Benign	
* Skin	Subcut Tiss	Liposarcoma	
	[Liposarcoma TGLs = 1 - 10]		
* Spleen		Hyperplasia	Lymphoid, Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Uterus		Dilatation	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 252

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603872

ORGAN AND ACCOUNTABLE SITE STATUS

[Dilatation TGLs = 2 - 7]

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 253

TRT#: 4

SEX: Female

DAY ON TEST: 723

DOSE: 6 MG/KG

DISP: Natural Death

HISTO: 0603873

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|------------------------|--|----------------------------------|-------------------------|
| Blood Vessel | Media, Pulmn Artery | Hyperplasia | Mild |
| * Bone Marrow | | Hyperplasia | Mild |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | Kupffer Cell | Hyperplasia | Mild |
| | Hepatocyte | Hypertrophy | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| | | Mixed Cell Focus | |
| | [Eosinophilic Focus TGLs = 4 - 12] | | |
| | [Hepatocellular Adenoma TGLs = 5-13] | | |
| | [Mixed Cell Focus TGLs = 2,3-10+11] | | |
| * Lung | Alveolar Epith | Hyperplasia | Moderate |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Glands, Olfactory Epi | Hyperplasia | Minimal |
| * Ovary | | Inflammation | Marked |
| | [Inflammation TGLs = 1 - 7] | | |
| * Spleen | | Atrophy | Minimal |
| | | Hematopoietic Cell Proliferation | Moderate |
| | | Pigmentation | Minimal |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Moderate |
| | | Inflammation | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 253

TRT#: 4

SEX: Female

DAY ON TEST: 723

DOSE: 6 MG/KG

DISP: Natural Death

HISTO: 0603873

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 7 - 15]

* Thymus

Atrophy

Marked

* Thyroid Gland

Inflammation

Mild

* Uterus

Inflammation

Moderate

[Inflammation TGLs = 6 - 14]

PRIMARY CAUSE OF DEATH - Ovary Inflammation

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 254

TRT#: 4

SEX: Female

DAY ON TEST: 700

DOSE: 6 MG/KG

DISP: Natural Death

HISTO: 0603874

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Kidney		Accumulation, Hyaline Droplet	Mild
		Histiocytic Sarcoma	
* Liver		Basophilic Focus	
		Histiocytic Sarcoma	
* Lung		Histiocytic Sarcoma	
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLs = 5 - 5]		
Mesentery		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLs = 4 - 11]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
	Glands, Olfactory Epi	Hyperplasia	Minimal
		Inflammation	Minimal
* Ovary		Atrophy	Marked
		Inflammation	Marked
	[Inflammation TGLs = 2 - 7]		
* Pancreas		Histiocytic Sarcoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Histiocytic Sarcoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 254

TRT#: 4

SEX: Female

DAY ON TEST: 700

DOSE: 6 MG/KG

DISP: Natural Death

HISTO: 0603874

ORGAN AND ACCOUNTABLE SITE STATUS

[Histiocytic Sarcoma TGLs = 1 - 4]

* Thymus

Histiocytic Sarcoma

[Histiocytic Sarcoma TGLs = 3 - 10]

PRIMARY CAUSE OF DEATH

- Ovary Inflammation

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 255

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603875

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Liver		Eosinophilic Focus Inflammation	Chronic Active, Minimal
* Lung	[Alveolar/Bronchiolar Adenoma TGLs = 1 - 10]	Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Ovary		Atrophy	Moderate
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Mild
Tooth		Dysplasia	

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 256

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603876

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Infarct	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
		Lymphoma Malignant	
	[Eosinophilic Focus TGLs = 4,5,6 - 12+13+14]		
	[Hepatocellular Adenoma TGLs = 3-11]		
	[Hepatocellular Carcinoma TGLs = 2-10]		
* Nose	Glands, Respirat Epith	Dilatation	Minimal
	Glands, Olfactory Epi	Dilatation	Minimal
	Glands, Olfactory Epi	Hyperplasia	Minimal
		Inflammation	Minimal
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 256

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603876

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Dilatation

Moderate

[Dilatation TGLs = 1 - 7]

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 257

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603877

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
	[Angiectasis TGLs = 3 - 11]		
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Lymphoma Malignant	
* Liver	Hepatocyte	Hypertrophy	Minimal
		Lymphoma Malignant	
		Mixed Cell Focus	
	[Mixed Cell Focus TGLs = 4 - 12]		
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
		Lymphoma Malignant	
	[Alveolar/Bronchiolar Adenoma TGLs = 5,6 - 13+14]		
Lymph Node	Renal	Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 2 - 10]		
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Nose	Glands, Respirat Epith	Dilatation	Minimal
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 1 - 4]		
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 257

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603877

ORGAN AND ACCOUNTABLE SITE STATUS

Lymphoma Malignant

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 258

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603878

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Mammary Gland | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|--------------------------|---|----------------------------------|--------------------|
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | [Eosinophilic Focus TGLs = 2-11] | | |
| | [Hepatocellular Adenoma TGLs = 3,4-12+13] | | |
| | [Hepatocellular Carcinoma TGLs = 1-10] | | |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Moderate |
| * Nose | Glands, Olfactory Epi | Hyperplasia | Minimal |
| * Ovary | | Atrophy | Moderate |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Hyperplasia | Lymphoid, Mild |
| | | Pigmentation | Minimal |
| * Thymus | | Atrophy | Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |
| | [Hyperplasia TGLs = 5 - 7] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 259

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603879

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone		Fibro-Osseous Lesion	Moderate
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 3 - 11]		
	[Hepatocellular Adenoma TGLs = 2 - 10]		
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLs = 4,5 - 12+13]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Glands, Olfactory Epi	Dilatation	Minimal
	Glands, Olfactory Epi	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
	Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal
* Ovary		Atrophy	Marked
* Spleen		Hyperplasia	Lymphoid, Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Tooth		Dysplasia	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLs = 1 - 7]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 260

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603880

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone		Fibro-Osseous Lesion	Mild
* Harderian Gland		Adenoma	
	[Adenoma TGLs = 3 - 9]		
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Necrosis	Minimal
	[Hepatocellular Adenoma TGLs = 5,6,7,8-11+12]		
	[Hepatocellular Carcinoma TGLs = 9-13]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Intermed	Adenoma	
	[Adenoma TGLs = 2 - 6]		
* Skin	Dermis	Fibrosis	Mild
		Inflammation	Mild
		Ulcer	Moderate
	[Ulcer TGLs = 1 - 10]		
* Spleen		Atrophy	Mild
		Hematopoietic Cell Proliferation	Marked
	[Hematopoietic Cell Proliferation TGLs = 4 - 4]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 260

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603880

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Mild

Tooth

Dysplasia

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 261

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603881

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lymph Node, Mesenteric		Atrophy	Moderate
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Ovary		Atrophy	Mild
* Spleen		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Mild
		Ulcer	Mild
	[Hyperplasia TGLs = 2 - 10]		
* Thymus		Atrophy	Mild
* Uterus		Dilatation	Marked
	[Dilatation TGLs = 1 - 7]		

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 262

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603882

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Liver		Inflammation Mixed Cell Focus	Chronic Active, Minimal
	[Mixed Cell Focus TGLs = 3 - 11]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Ovary		Atrophy	Marked
		Cyst	Minimal
	[Cyst TGLs = 1 - 7]		
* Spleen		Hyperplasia	Lymphoid, Minimal
		Pigmentation	Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 2 - 10]		
* Thymus		Atrophy	Moderate

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 263

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603883

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hemangiosarcoma	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 2 - 10]		
	[Hemangiosarcoma TGLs = 4 - 11]		
	[Hepatocellular Carcinoma TGLs = 3 - 11]		
* Ovary		Atrophy	Mild
		Cyst	Moderate
	[Cyst TGLs = 1 - 7]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 5 - 6]		
* Spleen		Hyperplasia	Lymphoid, Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
	[Hyperplasia TGLs = 6 - 12]		
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 264

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603884

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Liver | * Lymph Node, Mandibular | * Mammary Gland | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|--------------------------|--------------------------|-------------------------------|----------|
| * Lung | Alveolar Epith | Hyperplasia | Minimal |
| * Lymph Node, Mesenteric | | Atrophy | Mild |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Respirat Epith | Hyperplasia | Minimal |
| * Ovary | | Atrophy | Marked |
| * Pituitary Gland | Pars Intermed | Adenoma | |
| | [Adenoma TGLs = 1 - 6] | | |
| * Spleen | | Pigmentation | Minimal |
| * Thymus | | Atrophy | Moderate |

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 265

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603885

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
	[Hepatocellular Adenoma TGLs = 3 - 11]		
Mesentery	Fat	Necrosis	Minimal
	[Necrosis TGLs = 2 - 10]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
	Glands, Olfactory Epi	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Ovary		Atrophy	Moderate
* Spleen		Hyperplasia	Lymphoid, Mild
		Pigmentation	Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 4 - 12]		
* Thymus		Atrophy	Moderate
* Uterus		Dilatation	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 265

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603885

ORGAN AND ACCOUNTABLE SITE STATUS

[Dilatation TGLs = 1 - 7]

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 266

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603886

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Lymphangiectasis formed apparent cyst (TGL-4).

[Angiectasis TGLs = 4 - 11]

[Dilatation TGLs = 2 - 7]

[Inflammation TGLs = 3 - 10]

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 267

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603887

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Liver		Hepatoblastoma	
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
	[Hepatoblastoma TGLs = 1 - 10]		
* Spleen		Hemangiosarcoma	
		Infarct	Mild
		Pigmentation	Minimal
	Note: Recanalized healed infarct present.		
* Thymus		Atrophy	Mild
Tooth		Dysplasia	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 268

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603888

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Eye	Cornea	Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
* Nose	Glands, Olfactory Epi	Dilatation	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
	Glands, Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
	Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal
* Ovary		Atrophy	Moderate
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 269

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603889

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Kidney		Infarct	Minimal
* Liver		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
	[Hepatocellular Adenoma TGLs = 1 - 10]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
	Glands, Olfactory Epi	Dilatation	Minimal
	Glands, Olfactory Epi	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Ovary		Atrophy	Marked
		Cystadenoma	
* Spleen		Pigmentation	Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 2 - 11]		
* Thymus		Atrophy	Moderate
		Hyperplasia	Histiocytic, Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 270

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603890

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Liver		Hepatocellular Adenoma	
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Pigmentation	Minimal
	[Hepatocellular Adenoma TGLs = 2 - 10]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Ovary		Atrophy	Marked
* Spleen		Hyperplasia	Lymphoid, Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid GI			
	Note: Minimal thyroid gland was present (only a few follicles represented).		
* Uterus		Dilatation	Moderate
	[Dilatation TGLs = 1 - 7]		

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 271

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603891

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Harderian Gland		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Hepatocellular Adenoma TGLs = 2,4-10+12]		
	[Hepatocellular Carcinoma TGLs = 3 - 11]		
	[Mixed Cell Focus TGLs = 5 - 13]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
* Ovary		Atrophy	Moderate
		Cyst	Mild
	[Cyst TGLs = 6 - 7]		
* Spleen		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 271

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603891

ORGAN AND ACCOUNTABLE SITE STATUS

		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
Tooth		Dysplasia	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLs = 1 - 7]		

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 272

TRT#: 4

SEX: Female

DAY ON TEST: 671

DOSE: 6 MG/KG

DISP: Natural Death

HISTO: 0603892

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Mixed Cell Focus	
	[Mixed Cell Focus TGLs = 3 - 12]		
Lymph Node	Renal	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 2 - 11]		
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Glands, Olfactory Epi	Dilatation	Minimal
	Glands, Olfactory Epi	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
	Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal
* Ovary		Atrophy	Marked
* Skin	Dermis	Fibrous Histiocytoma	
	[Fibrous Histiocytoma TGLs = 1 - 10]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Lymphoma Malignant	
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 272

TRT#: 4

SEX: Female

DAY ON TEST: 671

DOSE: 6 MG/KG

DISP: Natural Death

HISTO: 0603892

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

[Hyperplasia TGLs = 4 - 7]

PRIMARY CAUSE OF DEATH

- Skin Dermis Fibrous Histiocytoma

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 273

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603893

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|------------------------|--|-------------------------------|-----------------|
| * Harderian Gland | | Adenoma | |
| | | Fibrosis | Mild |
| | [Adenoma TGLs = 1 - 9] | | |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Hepatocellular Carcinoma | |
| | | Necrosis | Mild |
| | [Hepatocellular Carcinoma TGLs = 4 - 10] | | |
| | [Necrosis TGLs = 5 - 11] | | |
| * Nose | Olfactory Epi | Accumulation, Hyaline Droplet | Minimal |
| | Respirat Epith | Accumulation, Hyaline Droplet | Mild |
| | Glands, Respirat Epith | Dilatation | Minimal |
| | Respirat Epith | Hyperplasia | Minimal |
| | | Inflammation | Minimal |
| * Ovary | | Atrophy | Mild |
| * Spleen | | Lymphoma Malignant | |
| | [Lymphoma Malignant TGLs = 2 - 4] | | |
| * Stomach, Forestomach | | Squamous Cell Papilloma | |
| | [Squamous Cell Papilloma TGLs = 6 -12] | | |
| * Thymus | | Atrophy | Moderate |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |
| | | Polyp Stromal | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 273

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603893

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLs = 3 - 7]

Thrombosis

Marked

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 274

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603894

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|-------------------|---------------|----------------------------------|-------------------------|
| * Bone Marrow | | Hyperplasia | Moderate |
| * Heart | Valve | Thrombosis | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Carcinoma | |
| | | Inflammation | Chronic Active, Minimal |
| | | Mixed Cell Focus | |
| | | | |
| | | | |
| | | | |
| * Lung | | Alveolar/Bronchiolar Carcinoma | |
| | | Hepatocellular Carcinoma | Metastatic (Liver) |
| | | | |
| | | | |
| | | | |
| * Ovary | | Atrophy | Marked |
| | | Cyst | Marked |
| | | | |
| | | | |
| | | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Hyperplasia | Lymphoid, Minimal |
| | | Pigmentation | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 274

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603894

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Mild

* Uterus

Polyp Stromal

[Polyp Stromal TGLs = 1 - 7]

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 275

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603895

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Thyroid Gland
* Trachea			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Liver	Hepatocyte	Hypertrophy	Minimal
		Lymphoma Malignant	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Glands, Olfactory Epi	Dilatation	Minimal
	Glands, Olfactory Epi	Hyperplasia	Minimal
* Ovary		Atrophy	Minimal
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 1 - 4]		
* Stomach, Forestomach		Lymphoma Malignant	
* Stomach, Glandular		Lymphoma Malignant	
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	
* Urinary Bladder		Lymphoma Malignant	
* Uterus		Dilatation	Marked
	[Dilatation TGLs = 2 - 7]		

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 276

TRT#: 4

SEX: Female

DAY ON TEST: 449

DOSE: 6 MG/KG

DISP: Natural Death

HISTO: 0603896

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|----------|---|----------------------------------|----------|
| * Heart | | Mineralization | Minimal |
| * Liver | | Histiocytic Sarcoma | |
| | | Necrosis | Mild |
| | [Histiocytic Sarcoma TGLs = 1 - 3+4+5+10] | | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Glands, Olfactory Epi | Dilatation | Minimal |
| | Glands, Respirat Epith | Dilatation | Minimal |
| | Glands, Olfactory Epi | Hyperplasia | Minimal |
| | Respirat Epith | Hyperplasia | Minimal |
| * Ovary | | Histiocytic Sarcoma | |
| | [Histiocytic Sarcoma TGLs = 3,4 - 12+13] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| * Thymus | | Atrophy | Moderate |
| * Uterus | | Histiocytic Sarcoma | |
| | [Histiocytic Sarcoma TGLs = 2 - 11] | | |

PRIMARY CAUSE OF DEATH - Uterus Histiocytic Sarcoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 277

TRT#: 4

SEX: Female

DAY ON TEST: 555

DOSE: 6 MG/KG

DISP: Natural Death

HISTO: 0603897

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone Marrow		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
* Ovary		Atrophy	Marked
* Spleen		Atrophy	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked

Note: TGL-1, thymic enlargement, was not confirmed microscopically. Thymic remnants were atrophic. Enlargement may have represented fat.

PRIMARY CAUSE OF DEATH

- UNCERTAIN

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 278

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603898

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lung | * Lymph Node, Mandibular | * Mammary Gland | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Trachea | * Urinary Bladder | * Uterus |

OBSERVATIONS

- | | | | |
|--------------------------|---|--|---------------------------|
| * Liver | | Eosinophilic Focus
Hepatocellular Adenoma
Inflammation
Mixed Cell Focus | Chronic Active, Minimal |
| | [Eosinophilic Focus TGLs = 4,5 - 13+14] | | |
| | [Hepatocellular Adenoma TGLs = 3 - 12] | | |
| | [Mixed Cell Focus TGLs = 2 - 11] | | |
| * Lymph Node, Mesenteric | | Atrophy | Minimal |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Mild |
| | Glands, Olfactory Epi | Dilatation | Minimal |
| | Glands, Respirat Epith | Dilatation | Minimal |
| | Glands, Olfactory Epi | Hyperplasia | Minimal |
| | Glands, Respirat Epith | Hyperplasia | Minimal |
| | Respirat Epith | Hyperplasia | Minimal |
| | Olfactory Epi | Metaplasia | Respiratory, Minimal |
| | Glands, Olfactory Epi | Metaplasia | Respiratory, Minimal |
| * Ovary | | Atrophy | Moderate |
| * Pituitary Gland | Pars Intermed | Adenoma | |
| | [Adenoma TGLs = 1 - 10] | | |
| * Spleen | | Hyperplasia
Pigmentation | Lymphoid, Mild
Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 278

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603898

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus
* Thyroid Gland
Tooth

Atrophy
Atrophy
Dysplasia

Moderate
Mild

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 279

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603899

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Pancreas | * Pituitary Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|-----------------|---|--|-------------------------------|
| * Liver | | Eosinophilic Focus | |
| | [Eosinophilic Focus TGLs = 2 - 10] | | |
| * Nose | Respirat Epith
Glands, Olfactory Epi
Respirat Epith | Accumulation, Hyaline Droplet
Dilatation
Hyperplasia | Minimal
Minimal
Minimal |
| * Ovary | | Atrophy
Cyst | Moderate
Minimal |
| * Spleen | | Hyperplasia
Pigmentation | Lymphoid, Mild
Minimal |
| * Thymus | | Atrophy | Mild |
| * Thyroid Gland | | Atrophy | Mild |
| Tooth | | Dysplasia | |
| * Uterus | | Dilatation | Moderate |
| | [Dilatation TGLs = 1 - 7] | | |

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 280

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603900

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone		Fibro-Osseous Lesion	Minimal
* Intestine Small, Jejunum	Peyers Patch	Hyperplasia	Lymphoid, Marked
* Liver		Hemangioma	
	[Hemangioma TGLs = 2 - 10]		
* Nose	Glands, Olfactory Epi	Dilatation	Mild
	Glands, Respirat Epith	Dilatation	Minimal
	Glands, Olfactory Epi	Hyperplasia	Minimal
		Inflammation	Minimal
	Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
	[Hyperplasia TGLs = 1 - 7]		

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 281

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603901

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Liver		Clear Cell Focus Hepatocellular Adenoma Lymphoma Malignant	
	[Clear Cell Focus TGLs = 2 - 10]		
	[Hepatocellular Adenoma TGLs = 3 - 11]		
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Nose	Respirat Epith Glands, Olfactory Epi	Accumulation, Hyaline Droplet Dilatation Inflammation	Minimal Minimal Minimal
* Ovary		Atrophy	Moderate
* Spleen		Lymphoma Malignant Lymphoma Malignant Pigmentation	Minimal
* Stomach, Glandular		Adenoma	
	[Adenoma TGLs = 4 - 12]		
* Thymus		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLs = 1 - 7]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 282

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603902

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-------------------|---------------|----------------------------------|-------------------------|
| * Bone Marrow | | Hyperplasia | Mild |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hematopoietic Cell Proliferation | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| * Ovary | | Atrophy | Moderate |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Spleen | | Hematopoietic Cell Proliferation | Minimal |
| | | Hyperplasia | Lymphoid, Mild |
| | | Pigmentation | Minimal |
| * Thymus | | Atrophy | Mild |
| * Uterus | | Dilatation | Moderate |

[Dilatation TGLs = 1 - 7]

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 283

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603903

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Inflammation

Mild

[Inflammation TGLs = 1 - 7]

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 284

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603904

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lung |
| * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas | * Pituitary Gland |
| * Salivary Glands | * Skin | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|--------------------------|--|-------------------------------|-------------------------|
| * Harderian Gland | | Adenoma | |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | | Inflammation | Chronic Active, Minimal |
| | | Necrosis | Minimal |
| | [Eosinophilic Focus TGLs = 2 - 11+12] | | |
| | [Hepatocellular Adenoma TGLs = 1 - 10] | | |
| * Lymph Node, Mandibular | | Atrophy | Moderate |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Glands, Olfactory Epi | Dilatation | Minimal |
| | Respirat Epith | Hyperplasia | Minimal |
| * Ovary | | Atrophy | Mild |
| | | Cystadenoma | |
| * Spleen | | Hyperplasia | Lymphoid, Mild |
| | | Pigmentation | Minimal |
| * Stomach, Forestomach | Epithelium | Cyst | Minimal |
| | | Inflammation | Minimal |
| * Thymus | | Atrophy | Minimal |
| Tooth | | Dysplasia | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 284

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603904

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Angiectasis

Mild

Dilatation

Mild

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 285

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603905

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lung | * Mammary Gland | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|--------------------------|----------------|--|---------|
| * Liver | Bile Duct | Cyst
Eosinophilic Focus
Hepatocellular Adenoma
Lymphoma Malignant | Mild |
| | | [Cyst TGLs = 2 - 10] | |
| | | [Eosinophilic Focus TGLs = 4 - 12] | |
| | | [Hepatocellular Adenoma TGLs = 3 - 11] | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| * Nose | Respirat Epith | Hyperplasia | Minimal |
| * Ovary | | Atrophy | Marked |
| * Spleen | | Lymphoma Malignant | |
| | | Pigmentation | Minimal |
| * Stomach, Forestomach | | Squamous Cell Carcinoma | |
| | | [Squamous Cell Carcinoma TGLs = 5 - 13] | |
| * Thymus | | Lymphoma Malignant | |
| * Uterus | | Dilatation | Marked |
| | | [Dilatation TGLs = 1 - 7] | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 286

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603906

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
		Inflammation	Chronic Active, Minimal
	[Hepatocellular Carcinoma TGLs = 1,2,3-10+11+12]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Nose	Glands, Olfactory Epi	Dilatation	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
	Glands, Olfactory Epi	Hyperplasia	Minimal
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

ANIMAL ID: 287

TRT#: 4

SEX: Female

DAY ON TEST: 704

DOSE: 6 MG/KG

DISP: Natural Death

HISTO: 0603907

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-------------------|---------------------------|-----------------------------|----------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

MISSING

- * Ovary

OBSERVATIONS

- | | | | |
|--|------------|-------------------|----------------------|
| Blood Vessel | | Embolus Bacterial | Mild |
| Note: Several large hepatic vessels contain fibrin, numerous leukocytes, and occasional very small bacteria, consistent with sepsis. | | | |
| * Bone Marrow | | Hyperplasia | Minimal |
| * Heart | | Mineralization | Minimal |
| * Intestine Large, Cecum | | Fibrosis | Moderate |
| [Fibrosis TGLs = 3 - 10+11] | | | |
| * Intestine Large, Colon | | Fibrosis | Moderate |
| [Fibrosis TGLs = 4 - 10+11] | | | |
| * Intestine Small, Ileum | | Fibrosis | Moderate |
| Note: Small and large intestines appear to have fibrous adhesions to one another, consistent with chronic peritonitis. | | | |
| [Fibrosis TGLs = 2 - 10+11] | | | |
| * Intestine Small, Jejunum | | Fibrosis | Moderate |
| [Fibrosis TGLs = 1 - 10+11] | | | |
| * Kidney | | Mineralization | Minimal |
| * Liver | Serosa | Fibrosis | Moderate |
| | Hepatocyte | Hypertrophy | Mild |
| | Serosa | Inflammation | Chronic Active, Mild |
| Note: Liver was adherent to diaphragm (also fibrous adhesions). | | | |
| Mesentery | | Inflammation | Chronic, Marked |
| * Spleen | | Atrophy | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 287

TRT#: 4

SEX: Female

DAY ON TEST: 704

DOSE: 6 MG/KG

DISP: Natural Death

HISTO: 0603907

ORGAN AND ACCOUNTABLE SITE STATUS

Capsule

Fibrosis

Moderate

Note: Spleen appears to be on slide 11 within an adhesive abdominal mass.

* Stomach, Forestomach

Fibrosis

Moderate

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

- Mesentery Inflammation

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 288

TRT#: 4

SEX: Female

DAY ON TEST: 509

DOSE: 6 MG/KG

DISP: Natural Death

HISTO: 0603908

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

AUTO PRECLUDES DIAG.

* Nose

OBSERVATIONS

* Liver

Basophilic Focus

Mesentery

Sarcoma

Note: Smaller nodules (TGL-2) are likely extensions of the primary (TGL-1) rather than metastases.

[Sarcoma TGLs = 1,2 - 10+11]

* Spleen

Hematopoietic Cell Proliferation

Mild

* Thymus

Atrophy

Minimal

PRIMARY CAUSE OF DEATH

- Mesentery Sarcoma

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 289

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603909

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Liver		Inflammation	Chronic Active, Minimal
* Nose	Respirat Epith Glands, Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Ovary		Dilatation	Minimal
* Pituitary Gland	Pars Distalis	Atrophy	Moderate
[Adenoma TGLs = 2 - 10]		Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Uterus		Dilatation	Mild
[Dilatation TGLs = 1 - 7]			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 290

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603910

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Harderian Gland		Adenoma	
	[Adenoma TGLs = 1 - 9]		
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Lymphoma Malignant	
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Lymphoma Malignant	
		Necrosis	Mild
	[Hepatocellular Adenoma TGLs = 4,5,6 - 12+13+14]		
	[Hepatocellular Carcinoma TGLs = 2,3 - 10+11]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
		Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
	Glands, Respirat Epith	Hyperplasia	Minimal
	Glands, Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Ovary		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 290

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603910

ORGAN AND ACCOUNTABLE SITE STATUS

Skeletal Muscle

Note: TGL-7 = small abscess attached to diaphragm.

[Inflammation TGLs = 7 - 15]

Inflammation

Moderate

* Spleen

Hematopoietic Cell Proliferation

Moderate

Lymphoma Malignant

Pigmentation

Minimal

* Stomach, Forestomach

Squamous Cell Papilloma

Multiple

[Squamous Cell Papilloma TGLs = 8 - 16]

* Thymus

Atrophy

Moderate

* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 291

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603911

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Liver		Inflammation	Chronic Active, Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Ovary		Atrophy	Marked
* Spleen		Hyperplasia	Lymphoid, Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

[Hyperplasia TGLs = 1 - 7]

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 292

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603912

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Pancreas | * Pituitary Gland | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|-----------|---|----------------------------------|----------|
| * Bone | | Osteopetrosis | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hematopoietic Cell Proliferation | Minimal |
| | Hepatocyte | Hepatocellular Adenoma | |
| | [Hepatocellular Adenoma TGLs = 3 - 10] | Hypertrophy | Marked |
| | [Hypertrophy TGLs = 2 - 3+4+5+10+11] | | |
| Mesentery | Fat | Necrosis | Mild |
| | [Necrosis TGLs = 4 - 12] | | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| * Ovary | | Atrophy | Marked |
| * Spleen | | Hematopoietic Cell Proliferation | Marked |
| | [Hematopoietic Cell Proliferation TGLs = 1 - 4] | | |
| * Thymus | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 293

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603913

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lymph Node, Mesenteric |
| * Mammary Gland | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | * Uterus |

OBSERVATIONS

- | | | | |
|--------------------------|--|-------------------------------|----------------|
| * Harderian Gland | | Adenoma | |
| | [Adenoma TGLs = 1 - 9] | | |
| * Liver | | Necrosis | Minimal |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | [Alveolar/Bronchiolar Adenoma TGLs = 3 - 11] | | |
| * Lymph Node, Mandibular | | Atrophy | Moderate |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| * Ovary | | Atrophy | Moderate |
| * Spleen | | Hyperplasia | Lymphoid, Mild |
| | | Pigmentation | Minimal |
| * Thymus | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 294

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603914

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
	[Hepatocellular Adenoma TGLs = 2-11]		
	[Hepatocellular Carcinoma TGLs = 1-10]		
* Lung	Alveolar Epith	Hyperplasia	Moderate
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Ovary		Atrophy	Moderate
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 295

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603915

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|----------------------------|----------------|-------------------------------|-------------------------|
| * Liver | | Inflammation | Chronic Active, Minimal |
| Mesentery | Fat | Necrosis | Mild |
| [Necrosis TGLs = 2 - 10] | | | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| * Ovary | | Atrophy | Marked |
| | | Cyst | Minimal |
| | | Luteoma | |
| [Cyst TGLs = 1 - 7] | | | |
| * Spleen | | Pigmentation | Minimal |
| * Thymus | | Atrophy | Mild |
| Tooth | | Dysplasia | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

Note: Isolated endothelium-lined region of uterus that has normal architecture was interpreted to be a fold, not a polyp (i.e. function of cut).

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 296

TRT#: 4

SEX: Female

DAY ON TEST: 621

DOSE: 6 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603916

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone		Fibro-Osseous Lesion	Minimal
* Bone Marrow		Hyperplasia	Mild
* Kidney		Sarcoma	
	[Sarcoma TGLs = 1 - 10]		
* Liver	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
* Lymph Node, Mesenteric		Atrophy	Mild
* Ovary		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Moderate
		Ulcer	Mild
	[Hyperplasia TGLs = 2 - 11]		
* Thymus		Atrophy	Mild
* Uterus		Dilatation	Moderate
	[Dilatation TGLs = 3 - 7]		

PRIMARY CAUSE OF DEATH - Kidney Sarcoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 297

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603917

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone		Fibro-Osseous Lesion	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lung		Inflammation	Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Ovary		Atrophy	Marked
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 298

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603918

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Carcinoma TGLs = 1,2 - 10+11]		
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Marked
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 299

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603919

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		[Eosinophilic Focus TGLs = 3 - 12]	
		[Hepatocellular Adenoma TGLs = 1,2 - 10+11]	
		[Mixed Cell Focus TGLs = 4 - 13]	
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Marked
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

Note: Broad-based protrusion of uterine wall has normal architecture so was interpreted not to be a polyp but a function of cut.

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 300

TRT#: 4

SEX: Female

DAY ON TEST: 8

DOSE: 6 MG/KG

DISP: Dosing Accident

HISTO: 0603920

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Lymph Node, Mesenteric * Spleen

OBSERVATIONS

* Bone Marrow	Atrophy	Minimal
* Lung	Foreign Body	
	Inflammation	Marked
Note: TGLs 1 + 2 are abscesses and adhesions due to food material deposited within the mediastinum and/or lungs. [Inflammation TGLs = 1,2 - 10]		
* Lymph Node, Mandibular	Atrophy	Mild
* Stomach, Forestomach	Erosion	Minimal
* Thymus	Atrophy	Mild

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 301

TRT#: 6

SEX: Female

DAY ON TEST: 660

DOSE: 20 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603921

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Histiocytic Sarcoma	
* Bone Marrow		Histiocytic Sarcoma	
* Kidney		Histiocytic Sarcoma	
* Liver		Hepatocellular Adenoma	Multiple
		Histiocytic Sarcoma	
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
	[Hepatocellular Adenoma TGLs = 3,4,5 - 12+13]		
	[Mixed Cell Focus TGLs = 6,7 - 14]		
* Lung		Histiocytic Sarcoma	
* Lymph Node, Mandibular		Histiocytic Sarcoma	
* Lymph Node, Mesenteric		Histiocytic Sarcoma	
Mesentery		Histiocytic Sarcoma	
	Fat	Necrosis	Marked
	[Necrosis TGLs = 1,2 - 10+11]		
* Nose	Respirat Epith	Hyperplasia	Minimal
* Ovary		Histiocytic Sarcoma	
* Pituitary Gland		Histiocytic Sarcoma	
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Histiocytic Sarcoma	
Tooth	Peridont Tiss	Histiocytic Sarcoma	
* Uterus		Histiocytic Sarcoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 301

TRT#: 6

SEX: Female

DAY ON TEST: 660

DOSE: 20 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603921

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Bone Marrow Histiocytic Sarcoma
CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Histiocytic Sarcoma

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 302

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603922

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lymph Node, Mandibular | * Mammary Gland | * Nose | * Ovary |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------|--|------------------------------|-------------------------|
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Inflammation | Chronic Active, Minimal |
| | [Hepatocellular Adenoma TGLs = 1,2,3,4,5 - 10+11+12+13+14] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | Alveolar Epith | Hyperplasia | Minimal |
| * Lymph Node, Mesenteric | | Infiltration Cellular | Plasma Cell, Moderate |
| * Pancreas | Duct | Cyst | Moderate |
| | [Cyst TGLs = 6 - 15] | | |
| * Spleen | | Atrophy | Minimal |
| | | Pigmentation | Minimal |
| * Thymus | | Atrophy | Mild |
| * Uterus | | Polyp Stromal | |

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 303

TRT#: 6

SEX: Female

DAY ON TEST: 709

DOSE: 20 MG/KG

DISP: Natural Death

HISTO: 0603923

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|---------------|--|----------------------------------|----------|
| * Bone Marrow | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Carcinoma | |
| | [Eosinophilic Focus TGLs = 2 - 11] | | |
| | [Hepatocellular Carcinoma TGLs = 1 - 10] | | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| * Ovary | | Atrophy | Marked |
| * Spleen | | Hematopoietic Cell Proliferation | Moderate |
| * Thymus | | Atrophy | Moderate |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 304

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603924

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[Eosinophilic Focus TGLs = 3 - 11]		
	[Hepatocellular Adenoma TGLs = 2,4 - 10+12]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Ovary		Atrophy	Marked
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Uterus		Dilatation	Marked
	[Dilatation TGLs = 1 - 7]		

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 305

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603925

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Liver		Basophilic Focus Eosinophilic Focus Hepatocellular Adenoma Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 2,3,4 - 11+12+13] [Hepatocellular Adenoma TGLs = 1 - 10]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Nose	Glands, Olfactory Epi Glands, Olfactory Epi Glands, Olfactory Epi	Dilatation Hyperplasia Metaplasia	Minimal Minimal Respiratory, Minimal
* Ovary		Atrophy	Marked
* Pancreas		Atrophy	Mild
* Spleen		Lymphoma Malignant Pigmentation	Minimal
* Stomach, Forestomach	[Squamous Cell Papilloma TGLs = 5 - 14]	Squamous Cell Papilloma	
* Thymus		Atrophy	Mild
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 306

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603926

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Ovary | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|----------------------------|--|----------------------------------|-------------------------|
| * Liver | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | | Hemangiosarcoma | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | Hepatocyte | Hypertrophy | Mild |
| | | Inflammation | Chronic Active, Minimal |
| | [Eosinophilic Focus TGLs = 8 - 16] | | |
| | [Hemangiosarcoma TGLs = 7 - 15] | | |
| | [Hepatocellular Adenoma TGLs = 3,4,5-11+12+13] | | |
| | [Hepatocellular Carcinoma TGLs = 6-14] | | |
| Mesentery | Fat | Necrosis | Mild |
| [Necrosis TGLs = 2 - 10] | | | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Glands, Olfactory Epi | Dilatation | Minimal |
| | Olfactory Epi | Metaplasia | Respiratory, Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Moderate |
| * Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | | Hyperplasia | Lymphoid, Mild |
| | | Pigmentation | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 306

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603926

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation TGLs = 1 - 4]

* Thymus

Atrophy

Mild

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 307

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603927

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	Multiple
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 5 - 12]		
	[Hepatocellular Adenoma TGLs = 2,3,4 - 10+11+12]		
* Lymph Node, Mesenteric		Atrophy	Moderate
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Glands, Olfactory Epi	Dilatation	Minimal
	Glands, Olfactory Epi	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
	Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 307

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603927

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Sarcoma Stromal

Squamous Cell Carcinoma

[Sarcoma Stromal TGLs = 6 - 13]

[Squamous Cell Carcinoma TGLs = 1 - 7]

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 308

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603928

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
		Pigmentation	Minimal
	[Hepatocellular Adenoma TGLs = 3,4,5 - 11+12+13]		
	[Hepatocellular Carcinoma TGLs = 2 - 11]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
	Glands, Olfactory Epi	Dilatation	Minimal
	Glands, Respirat Epith	Hyperplasia	Minimal
	Glands, Olfactory Epi	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Ovary		Atrophy	Marked
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLs = 1 - 10]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 309

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603929

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Bone Marrow
- * Brain
- * Eye
- * Gallbladder
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Jejunum
- * Islets, Pancreatic
- * Lymph Node, Mandibular
- * Mammary Gland
- * Pituitary Gland
- * Salivary Glands
- * Stomach, Glandular
- * Thyroid Gland
- * Uterus
- Blood Vessel
- * Clitoral Gland
- * Harderian Gland
- * Intestine Small, Duodenum
- * Kidney
- * Pancreas
- * Skin
- * Trachea
- * Bone
- * Esophagus
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lung
- * Parathyroid Gland
- * Stomach, Forestomach
- * Urinary Bladder

OBSERVATIONS

- * Heart
- * Liver
- Hepatocyte
- [Hepatocellular Adenoma TGLs = 3,4-12+13]
- [Hepatocellular Carcinoma TGLs = 2,5-11+14]
- * Lymph Node, Mesenteric
- Mesentery
- [Necrosis TGLs = 1 - 10]
- * Nose
- Respirat Epith
- Olfactory Epi
- Glands, Olfactory Epi
- * Ovary
- * Spleen
- * Thymus
- Cardiomyopathy
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- Hypertrophy
- Inflammation
- Atrophy
- Necrosis
- Fat
- Accumulation, Hyaline Droplet
- Accumulation, Hyaline Droplet
- Hyperplasia
- Atrophy
- Hematopoietic Cell Proliferation
- Pigmentation
- Atrophy
- Minimal
- Multiple
- Multiple
- Minimal
- Chronic Active, Minimal
- Mild
- Mild
- Minimal
- Minimal
- Minimal
- Moderate
- Mild
- Minimal
- Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 310

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603930

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone	Fibro-Osseous Lesion	Moderate
* Kidney	Infarct	Minimal
	Nephropathy	Minimal
* Liver	Eosinophilic Focus	
	Hepatocellular Adenoma	Multiple
	Inflammation	Chronic Active, Minimal
	Mixed Cell Focus	
	[Eosinophilic Focus TGLs = 5 - 10]	
	[Hepatocellular Adenoma TGLs = 3,4,7 - 10+11+13]	
	[Mixed Cell Focus TGLs = 6 - 12]	
* Lymph Node, Mesenteric	Atrophy	Minimal
* Ovary	Atrophy	Marked
	Cyst	Marked
	Hemorrhage	Marked
	[Cyst TGLs = 1 - 7]	
* Spleen	Hematopoietic Cell Proliferation	Marked
	[Hematopoietic Cell Proliferation TGLs = 2 - 4]	
* Thymus	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 311

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603931

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Eye	Optic Nerve	Atrophy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 7 - 16]		
	[Hepatocellular Adenoma TGLs = 2,3,4,5 - 11+12+13+14]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Mild
	[Alveolar/Bronchiolar Adenoma TGLs = 6 - 15]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Glands, Olfactory Epi	Dilatation	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Ovary		Atrophy	Mild
* Spleen		Lymphoma Malignant	
		Pigmentation	Minimal
	[Lymphoma Malignant TGLs = 1 - 10]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Squamous Cell Papilloma	
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 312

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603932

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Blood Vessel
- * Bone Marrow
- * Brain
- * Clitoral Gland
- * Esophagus
- * Eye
- * Gallbladder
- * Harderian Gland
- * Heart
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Duodenum
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Islets, Pancreatic
- * Lung
- * Lymph Node, Mandibular
- * Mammary Gland
- * Pancreas
- * Parathyroid Gland
- * Pituitary Gland
- * Salivary Glands
- * Skin
- * Stomach, Forestomach
- * Stomach, Glandular
- * Thyroid Gland
- * Trachea
- * Urinary Bladder
- * Uterus

OBSERVATIONS

- * Kidney
 - Infarct
 - Eosinophilic Focus
 - Hepatocellular Adenoma
 - Inflammation
 - Necrosis
- * Liver
 - Minimal
 - Multiple
 - Chronic Active, Minimal
 - Minimal
- [Eosinophilic Focus TGLs = 1 - 10]
- [Hepatocellular Adenoma TGLs = 2,3,4,5 - 11+12+13+14]
- * Lymph Node, Mesenteric
 - Hyperplasia
 - Lymphoid, Mild
- * Nose
 - Glands, Olfactory Epi
 - Dilatation
 - Minimal
 - Glands, Olfactory Epi
 - Hyperplasia
 - Minimal
 - Olfactory Epi
 - Metaplasia
 - Respiratory, Minimal
- * Ovary
 - Atrophy
 - Marked
- * Spleen
 - Hyperplasia
 - Lymphoid, Mild
 - Pigmentation
 - Minimal
- * Thymus
 - Atrophy
 - Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 313

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603933

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|----------|---|----------------------------------|-------------------------|
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hematopoietic Cell Proliferation | Minimal |
| | | Hepatocellular Adenoma | Multiple |
| | Hepatocyte | Hypertrophy | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| | [Eosinophilic Focus TGLs = 3,5,6,7 - 11+13+14+15] | | |
| | [Hepatocellular Adenoma TGLs = 2,4 - 10+12] | | |
| * Nose | Glands, Olfactory Epi | Dilatation | Minimal |
| | Respirat Epith | Hyperplasia | Minimal |
| | Glands, Olfactory Epi | Hyperplasia | Minimal |
| | | Inflammation | Minimal |
| | Glands, Respirat Epith | Metaplasia | Respiratory, Minimal |
| * Ovary | | Atrophy | Marked |
| | Note: Inflammation extends into and involves ovary (TGL-1) but cause of the lesion is probably the uterine carcinoma. | | |
| * Spleen | | Hematopoietic Cell Proliferation | Moderate |
| * Thymus | | Atrophy | Mild |
| * Uterus | | Carcinoma | |
| | | Inflammation | Marked |

[Carcinoma TGLs = 1 - 7]

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 314

TRT#: 6

SEX: Female

DAY ON TEST: 253

DOSE: 20 MG/KG

DISP: Natural Death

HISTO: 0603934

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Mammary Gland	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Gallbladder	* Parathyroid Gland
---------------	---------------------

AUTO PRECLUDES DIAG.

* Lymph Node, Mesenteric	* Spleen
--------------------------	----------

OBSERVATIONS

* Lymph Node, Mandibular		Atrophy	Mild
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Glands, Respirat Epith	Dilatation	Minimal

PRIMARY CAUSE OF DEATH

- UNCERTAIN

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 315

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603935

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Harderian Gland		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Hepatocyte	Hepatocellular Adenoma	Multiple
	[Eosinophilic Focus TGLs = 6 - 13]	Hypertrophy	Mild
	[Hepatocellular Adenoma TGLs = 4,5,7 - 11+12+13]		
* Lung	[Alveolar/Bronchiolar Adenoma TGLs = 8 - 14]	Alveolar/Bronchiolar Adenoma	
* Nose	Glands, Olfactory Epi	Dilatation	Minimal
* Ovary		Atrophy	Marked
		Cyst	Marked
	[Cyst TGLs = 3 - 7]		
* Skin	Subcut Tiss	Sarcoma	
	[Sarcoma TGLs = 1 - 10]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 315

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603935

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 2 - 7]

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 316

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603936

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 4,5 - 12+13]		
	[Hepatocellular Carcinoma TGLs = 1,2 - 10+11]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Glands, Olfactory Epi	Dilatation	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
	Glands, Olfactory Epi	Hyperplasia	Minimal
	Glands, Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
	Glands, Respirat Epith	Metaplasia	Respiratory, Minimal
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[Hematopoietic Cell Proliferation TGLs = 3 - 4]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Mild
	[Hyperplasia TGLs = 6 - 14]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 316

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603936

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Moderate

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 317

TRT#: 6

SEX: Female

DAY ON TEST: 585

DOSE: 20 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603937

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Pancreas	* Parathyroid Gland
Peripheral Nerve	* Salivary Glands	* Skin	Spinal Cord
* Stomach, Glandular	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Bone Marrow		Histiocytic Sarcoma Hyperplasia	Mild
Note: Tumor noted in vertebral section taken for paralysis.			
* Brain		Necrosis	Minimal
* Heart		Necrosis	Moderate
	Ventricle	Thrombosis	Moderate
	[Thrombosis TGLs = 9 - 14]		
* Kidney		Accumulation, Hyaline Droplet	Marked
	Renal Tubule	Necrosis	Mild
		Nephropathy	Minimal
* Liver		Histiocytic Sarcoma	
		Necrosis	Mild
	[Histiocytic Sarcoma TGLs = 2,3,4,5,6 - 3+4+5+10+11+12+13]		
	[Necrosis TGLs = 7,8 - 13]		
* Lung	Alveolar Epith	Hyperplasia	Mild
* Lymph Node, Mesenteric		Atrophy	Moderate
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Glands, Olfactory Epi	Hyperplasia	Minimal
* Ovary		Histiocytic Sarcoma	
* Pituitary Gland	Pars Distalis	Adenoma	
Spinal Cord			

Note: Spinal cord and sciatic nerve were examined, as per protocol, because this mouse was paralyzed.

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 317

TRT#: 6

SEX: Female

DAY ON TEST: 585

DOSE: 20 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603937

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Minimal
		Ulcer	Minimal
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Histiocytic Sarcoma	
Note: Tumor noted in teeth in routine nasal section.			
* Urinary Bladder		Histiocytic Sarcoma	
* Uterus		Histiocytic Sarcoma	

[Histiocytic Sarcoma TGLs = 1 - 10]

PRIMARY CAUSE OF DEATH - Liver Histiocytic Sarcoma

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 318

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603938

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|----------|--|--|-------------------------------------|
| * Liver | | Eosinophilic Focus
Hepatocellular Adenoma
Inflammation | Multiple
Chronic Active, Minimal |
| | [Eosinophilic Focus TGLs = 4,5,6,8 - 13+14]
[Hepatocellular Adenoma TGLs = 3,7 - 12+15] | | |
| * Ovary | | Atrophy | Moderate |
| * Skin | Dermis
Epidermis
Subcut Tiss | Fibrosis
Hyperplasia
Schwannoma Malignant | Mild
Mild |
| | [Hyperplasia TGLs = 2 - 11]
[Schwannoma Malignant TGLs = 1 - 10] | | |
| * Spleen | | Hematopoietic Cell Proliferation
Pigmentation | Moderate
Minimal |
| * Thymus | | Atrophy | Moderate |
| Tooth | | Dysplasia | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 319

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603939

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Skin |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|------------------------|--|-------------------------------|-------------------------|
| * Liver | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | |
| | | Inflammation | Chronic Active, Minimal |
| | [Basophilic Focus TGLs = 2 - 11] | | |
| | [Eosinophilic Focus TGLs = 3 - 12] | | |
| | [Hepatocellular Adenoma TGLs = 4 - 13] | | |
| | [Hepatocellular Carcinoma TGLs = 1 - 10] | | |
| * Lung | Alveolar Epith | Hyperplasia | Minimal |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Mild |
| | Olfactory Epi | Accumulation, Hyaline Droplet | Minimal |
| * Ovary | | Atrophy | Marked |
| * Spleen | | Pigmentation | Minimal |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Minimal |
| * Thymus | | Atrophy | Mild |
| Tooth | | Dysplasia | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 320

TRT#: 6

SEX: Female

DAY ON TEST: 627

DOSE: 20 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603940

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Mammary Gland | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--------------------------|---|-------------------------------|----------------------|
| * Bone Marrow | | Lymphoma Malignant | |
| * Heart | | Lymphoma Malignant | |
| | | Mineralization | Moderate |
| * Kidney | | Lymphoma Malignant | |
| | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Lymphoma Malignant | |
| | [Eosinophilic Focus TGLs = 10 - 18] | | |
| * Lung | | Lymphoma Malignant | |
| | Note: Lymphoma present in mediastinum and peribronchial and perivascular spaces. | | |
| | [Lymphoma Malignant TGLs = 8 - 16] | | |
| | Lymph Node | Lymphoma Malignant | |
| | Note: Mammary lymph nodes (TGLs4+-9) and axillary lymph nodes (TGLs5+6) affected. | | |
| | [Lymphoma Malignant TGLs = 4,5,6,9 - 12+13+14+17] | | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| | [Lymphoma Malignant TGLs = 3 - 11] | | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Glands, Respirat Epith | Dilatation | Minimal |
| | Glands, Respirat Epith | Hyperplasia | Minimal |
| | Glands, Respirat Epith | Metaplasia | Respiratory, Minimal |
| * Ovary | | Lymphoma Malignant | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 320

TRT#: 6

SEX: Female

DAY ON TEST: 627

DOSE: 20 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603940

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 1,2 - 4+10]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Marked
		Lymphoma Malignant	
		Ulcer	Mild
	[Hyperplasia TGLs = 11 -19]		
* Thymus		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 7 - 15]		
Tooth		Dysplasia	
* Uterus		Lymphoma Malignant	

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

Animal Note: Most other organs are also infiltrated with lymphoma.

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 321

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603941

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: TGL-5 = 2 nodules.			
	[Basophilic Focus	TGLs = 5 - 13]	
	[Eosinophilic Focus	TGLs = 3,4 -11+12]	
	[Hepatocellular Adenoma	TGLs = 1,5 - 10+13]	
* Lung	Alveolar Epith	Hyperplasia	Moderate
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Glands, Olfactory Epi	Dilatation	Minimal
* Ovary		Atrophy	Moderate
* Spleen		Hyperplasia	Lymphoid, Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia	TGLs = 2 - 7]	

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 322

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603942

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|----------|--|--------------------------------|-------------------------|
| * Kidney | | Infarct | Mild |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Inflammation | Chronic Active, Minimal |
| | | Necrosis | Minimal |
| | [Eosinophilic Focus TGLs = 3 - 12+13] | | |
| | [Hepatocellular Adenoma TGLs = 2,4 - 11+14] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | | Alveolar/Bronchiolar Carcinoma | |
| | [Alveolar/Bronchiolar Adenoma TGLs = 5-15] | | |
| | [Alveolar/Bronchiolar Carcinoma TGLs = 1-10] | | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Glands, Respirat Epith | Dilatation | Minimal |
| | Respirat Epith | Hyperplasia | Minimal |
| | Glands, Respirat Epith | Hyperplasia | Moderate |
| | Glands, Respirat Epith | Metaplasia | Respiratory, Minimal |
| * Ovary | | Atrophy | Moderate |
| * Spleen | | Hyperplasia | Lymphoid, Moderate |
| | | Pigmentation | Mild |
| * Thymus | | Atrophy | Moderate |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 323

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603943

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lung |
| * Parathyroid Gland | * Pituitary Gland | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|--------------------------|---|-------------------------------|----------|
| * Bone Marrow | | Atrophy | Mild |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Mixed Cell Focus | |
| | [Eosinophilic Focus TGLs = 5,7,8,9,10 - 12+14+15+16+17] | | |
| | [Hepatocellular Adenoma TGLs = 4,6 - 11+13] | | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| * Mammary Gland | | Carcinoma | |
| | [Carcinoma TGLs = 1 - 10] | | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| * Ovary | | Atrophy | Marked |
| | | Cystadenoma | |
| | [Cystadenoma TGLs = 3 - 7] | | |
| * Pancreas | | Lymphoma Malignant | |
| * Salivary Glands | | Lymphoma Malignant | |
| * Spleen | | Lymphoma Malignant | |
| | [Lymphoma Malignant TGLs = 2 - 4] | | |
| * Thymus | | Lymphoma Malignant | |

Animal Note: Lymphoma appears plasmacytoid (has Russell bodies) in the mandibular lymph node, spleen, and thymus.

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 324

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603944

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Liver		Eosinophilic Focus Hepatocellular Adenoma Inflammation	Multiple Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 3 - 12] [Hepatocellular Adenoma TGLs = 1,2 - 10+11]		
* Nose	Glands, Respirat Epith Glands, Respirat Epith Glands, Respirat Epith	Dilatation Hyperplasia Metaplasia	Minimal Minimal Respiratory, Minimal
* Ovary		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation Hyperplasia Pigmentation	Minimal Lymphoid, Moderate Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 325

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603945

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Liver		Eosinophilic Focus Hepatocellular Carcinoma Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 3,4,5,6 - 12+13+14+15] [Hepatocellular Carcinoma TGLs = 2 - 11]		
* Nose	Respirat Epith Glands, Respirat Epith Respirat Epith	Accumulation, Hyaline Droplet Dilatation Hyperplasia	Mild Minimal Minimal
* Ovary		Atrophy	Mild
* Spleen		Lymphoma Malignant Pigmentation	Minimal
	[Lymphoma Malignant TGLs = 1 - 10]		
* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation	Minimal Minimal
* Thymus		Atrophy	Marked
* Uterus		Dilatation	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 326

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603946

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney		Lymphoma Malignant	
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Lymphoma Malignant	
	[Hepatocellular Adenoma TGLs = 5,8,9 - 12+15+16]		
	[Hepatocellular Carcinoma TGLs = 3,4 - 10+11]		
* Lung		Lymphoma Malignant	
Lymph Node		Lymphoma Malignant	
	Note: Mammary lymph node was affected (in routine mammary gland section).		
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 10 - 17]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 6 - 13]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Moderate
* Ovary		Atrophy	Marked
		Lymphoma Malignant	
* Pancreas		Lymphoma Malignant	
* Skin	Subcut Tiss	Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 7 -14]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 326

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603946

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 1 - 4]		
* Thymus		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 11 - 3]		
* Urinary Bladder		Lymphoma Malignant	
* Uterus		Dilatation	Moderate
	[Dilatation TGLs = 2 - 17]		

Animal Note: Many other organs also had lymphoma.

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 327

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603947

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone Marrow		Atrophy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
	[Hepatocellular Carcinoma TGLs = 4 - 13]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
* Ovary		Atrophy	Moderate
* Skin	Sebaceous GI	Hyperplasia	Mild
	Subcut Tiss	Melanoma Malignant	
		Ulcer	Mild
	Note: Eyelid had nodular sebaceous gland hyperplasia.		
	[Hyperplasia TGLs = 1 - 11]		
	[Melanoma Malignant TGLs = 2 - 10]		
	[Ulcer TGLs = 3 - 12]		
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 328

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603948

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Pancreas | * Pituitary Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|----------|---|-------------------------------|-------------------|
| * Liver | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | [Eosinophilic Focus TGLs = 2,4 - 11+13] | | |
| | [Hepatocellular Adenoma TGLs = 1 - 12] | | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Glands, Olfactory Epi | Dilatation | Minimal |
| * Ovary | | Atrophy | Marked |
| * Spleen | | Hyperplasia | Lymphoid, Minimal |
| | | Pigmentation | Mild |
| * Thymus | | Atrophy | Moderate |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 329

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603949

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	[Eosinophilic Focus TGLs = 3,4 - 12]		
	[Hepatocellular Adenoma TGLs = 2-11]		
	[Hepatocellular Carcinoma TGLs = 1-10]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Ovary		Atrophy	Marked
* Skin		Hemorrhage	Marked
	[Hemorrhage TGLs = 5 - 13]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Lymphoid, Moderate
		Pigmentation	Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	Multiple
	[Squamous Cell Papilloma TGLs = 6 -14]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Degeneration	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 330

TRT#: 6

SEX: Female

DAY ON TEST: 501

DOSE: 20 MG/KG

DISP: Natural Death

HISTO: 0603950

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mesenteric | * Mammary Gland | * Ovary |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|--|----------------|----------------------------------|----------------------|
| * Adrenal Cortex | | Necrosis | Mild |
| * Bone Marrow | | Hyperplasia | Mild |
| * Heart | | Cardiomyopathy | Mild |
| | Valve | Necrosis | Mild |
| | | Thrombosis | Mild |
| Note: The valvular thrombus is septic. | | | |
| * Kidney | | Inflammation | Mild |
| | Renal Tubule | Necrosis | Marked |
| * Liver | | Eosinophilic Focus | |
| | | Inflammation | Chronic Active, Mild |
| * Lymph Node, Mandibular | | Atrophy | Mild |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Olfactory Epi | Necrosis | Minimal |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| * Stomach, Forestomach | | Inflammation | Mild |
| | | Ulcer | Minimal |
| * Thymus | | Atrophy | Marked |

PRIMARY CAUSE OF DEATH - Heart Valve Thrombosis

CONTRIBUTORY CAUSE OF DEATH - Kidney Renal Tubule Necrosis

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 331

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603951

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Liver
 Eosinophilic Focus
 Hepatocellular Adenoma
 Hepatocellular Carcinoma

Note: TGL-4 appeared to represent blood retained within normal blood vessels. No lesion was identified.

[Eosinophilic Focus TGLs = 3,5 - 12]

[Hepatocellular Adenoma TGLs = 2 - 11]

[Hepatocellular Carcinoma TGLs = 1 - 10]

* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Moderate
	[Hyperplasia TGLs = 7 - 15]		
* Thymus		Atrophy	Mild
* Uterus		Angiectasis	Moderate
		Thrombosis	Minimal

[Angiectasis TGLs = 6 - 14]

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 332

TRT#: 6

SEX: Female

DAY ON TEST: 649

DOSE: 20 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603952

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lymph Node, Mesenteric |
| * Mammary Gland | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | | | |

OBSERVATIONS

- | | | | |
|--|-----------------------|----------------------------------|--|
| * Bone Marrow | | Hyperplasia | Marked |
| * Liver | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | | Histiocytic Sarcoma | |
| | | Mixed Cell Focus | |
| | | Necrosis | Marked |
| Note: TGL-5 represented both basophilic and eosinophilic foci. | | | |
| | | | [Basophilic Focus TGLs = 5 - 13] |
| | | | [Eosinophilic Focus TGLs = 5 - 13] |
| | | | [Hepatocellular Adenoma TGLs = 4 - 12] |
| | | | [Mixed Cell Focus TGLs = 3 - 11] |
| | | | [Necrosis TGLs = 6 - 14] |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Olfactory Epi | Accumulation, Hyaline Droplet | Minimal |
| * Ovary | | Cyst | Marked |
| | [Cyst TGLs = 9 - 7] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | | Lymphoma Malignant | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 332

TRT#: 6

SEX: Female

DAY ON TEST: 649

DOSE: 20 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603952

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation * Stomach, Forestomach	TGLs = 2 - 4] Epithelium	Hyperplasia Inflammation Ulcer	Moderate Moderate Minimal
[Hyperplasia * Thymus	TGLs = 7 - 15]	Atrophy	Mild
* Urinary Bladder		Lymphoma Malignant	
* Uterus		Lymphoma Malignant Histiocytic Sarcoma Lymphoma Malignant	

Note: TGL 10=NCL (No Correlating Lesion)

[Histiocytic Sarcoma TGLs = 1,8 - 10+16]

PRIMARY CAUSE OF DEATH - Uterus Histiocytic Sarcoma

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 333

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603953

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
[Vacuolization Cytoplasmic TGLs = 6 - 6]			
* Adrenal Medulla		Necrosis	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[Hepatocellular Adenoma TGLs = 3,4,5 - 11+12+13]			
[Mixed Cell Focus TGLs = 7 - 14]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLs = 2 - 10]			
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Pituitary Gland	Pars Intermed	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 333

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603953

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	Follicular Cel	Hypertrophy	Moderate
		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLs = 1 - 7]			

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 334

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603954

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lung | * Lymph Node, Mandibular | * Mammary Gland | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Skin |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|--------------------------|--|----------------------------------|-------------------------|
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Inflammation | Chronic Active, Minimal |
| | | Lymphoma Malignant | |
| | [Eosinophilic Focus TGLs = 4 - 13] | | |
| | [Hepatocellular Adenoma TGLs = 1,2,3 - 10+11+12] | | |
| Lymph Node | Mediastinal | Lymphoma Malignant | |
| | Note: Mediastinal lymph node lesion observed in routine section with thymus. | | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Olfactory Epi | Accumulation, Hyaline Droplet | Minimal |
| | Glands, Olfactory Epi | Dilatation | Minimal |
| | Glands, Respirat Epith | Dilatation | Mild |
| | Glands, Olfactory Epi | Hyperplasia | Minimal |
| | Respirat Epith | Hyperplasia | Minimal |
| | Olfactory Epi | Metaplasia | Respiratory, Minimal |
| | Glands, Olfactory Epi | Metaplasia | Respiratory, Minimal |
| * Ovary | | Atrophy | Marked |
| * Spleen | | Hematopoietic Cell Proliferation | Minimal |
| | | Lymphoma Malignant | |
| | | Pigmentation | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 334

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603954

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach [Hyperplasia TGLs = 5 - 14]	Epithelium	Hyperplasia	Moderate
* Thymus		Atrophy	Moderate
* Uterus [Dilatation TGLs = 6 - 7]		Dilatation	Moderate

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 335

TRT#: 6

SEX: Female

DAY ON TEST: 715

DOSE: 20 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603955

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Blood Vessel
- * Brain
- * Clitoral Gland
- * Esophagus
- * Gallbladder
- * Heart
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Duodenum
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Islets, Pancreatic
- * Kidney
- * Lymph Node, Mandibular
- * Lymph Node, Mesenteric
- * Mammary Gland
- * Pancreas
- * Parathyroid Gland
- * Pituitary Gland
- * Salivary Glands
- * Skin
- * Stomach, Forestomach
- * Stomach, Glandular
- * Thyroid Gland
- * Trachea
- * Urinary Bladder
- * Uterus

OBSERVATIONS

- * Bone Fibro-Osseous Lesion Minimal
- * Bone Marrow Hyperplasia Mild
- * Eye Lens Cataract Marked
- [Fibrosis TGLs = 5 - 9]
- Fibrosis Mild
- * Harderian Gland Carcinoma
- [Carcinoma TGLs = 1 - 9]
- * Liver Eosinophilic Focus
- Inflammation Chronic Active, Minimal
- Mixed Cell Focus
- Note: TGL-4 = two nodules.
- [Eosinophilic Focus TGLs = 2,3,4 - 10+11+12]
- [Mixed Cell Focus TGLs = 4 - 12]
- * Lung Carcinoma Metastatic (Harderian Gland)
- [Carcinoma TGLs = 6,7,8,9,10 - 13+14+15+16+17]
- Lymph Node Mediastinal Hyperplasia Lymphoid, Moderate
- Note: Mediastinal lymph node lesion observed in routine section with thymus.
- * Nose Respirat Epith Accumulation, Hyaline Droplet Minimal
- Olfactory Epi Accumulation, Hyaline Droplet Minimal
- Glands, Olfactory Epi Dilatation Minimal
- Glands, Olfactory Epi Hyperplasia Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 335

TRT#: 6

SEX: Female

DAY ON TEST: 715

DOSE: 20 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603955

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
	Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Harderian Gland Carcinoma

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 336

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603956

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone		Fibro-Osseous Lesion	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 2,3,5-11+12+14]		
	[Hepatocellular Carcinoma TGLs = 1,4-10+13]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLs = 6 - 15]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 337

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603957

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLs = 2,3,4 - 11+12+13]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Glands, Respirat Epith	Dilatation	Mild
	Glands, Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
* Ovary	Glands, Respirat Epith	Metaplasia	Respiratory, Minimal
		Angiectasis	Mild
		Atrophy	Mild
* Spleen		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 1 - 10]		

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 338

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603958

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Kidney		Infarct	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Eosinophilic Focus TGLs = 7 - 14]		
	[Hepatocellular Adenoma TGLs = 5,6-12+13]		
	[Hepatocellular Carcinoma TGLs = 2,3,4-10+11]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Glands, Olfactory Epi	Dilatation	Minimal
	Glands, Olfactory Epi	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Mild
* Ovary		Atrophy	Marked
		Cyst	Mild
	[Cyst TGLs = 1 - 7]		
* Spleen		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 8 - 15]		
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 339

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603959

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Cyst	Moderate
		Eosinophilic Focus	
	Hepatocyte	Hepatocellular Adenoma	Multiple
		Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
	[Cyst TGLs = 3,6 - 12+14]		
	[Eosinophilic Focus TGLs = 8 - 16]		
	[Hepatocellular Adenoma TGLs = 4,5,7,8,9 - 13+15+16+17]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Marked
	[Necrosis TGLs = 1,2 - 10+11]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Glands, Olfactory Epi	Dilatation	Minimal
* Ovary		Atrophy	Marked
* Spleen		Hyperplasia	Lymphoid, Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 340

TRT#: 6

SEX: Female

DAY ON TEST: 11

DOSE: 20 MG/KG

DISP: Dosing Accident

HISTO: 0603960

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Esophagus	Muscularis	Degeneration	Minimal
	Periesoph Tiss	Hemorrhage	Marked
		Perforation	

Note: Esophageal perforation was not obtained in section though degeneration of muscularis and hemorrhage confirm perforation occurred.

[Hemorrhage TGLs = 1 - 10]

* Liver		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Necrosis	Mild

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 341

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603961

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Necrosis	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 2 - 11]		
	[Hepatocellular Carcinoma TGLs = 1 - 10]		
* Lymph Node, Mesenteric		Atrophy	Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Glands, Olfactory Epi	Dilatation	Minimal
	Glands, Respirat Epith	Hyperplasia	Minimal
	Glands, Olfactory Epi	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
	Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	[Hyperplasia TGLs = 3 - 7]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 342

TRT#: 6

SEX: Female

DAY ON TEST: 669

DOSE: 20 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603962

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Brain | * Clitoral Gland | * Esophagus | * Gallbladder |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Kidney | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Pancreas | * Pituitary Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|---|-----------------------|-------------------------------|------------------------------|
| * Bone Marrow | | Hyperplasia | Mild |
| * Eye | Cornea | Inflammation | Moderate |
| [Inflammation TGLs = 1 - 9] | | | |
| * Harderian Gland | | Carcinoma | |
| [Carcinoma TGLs = 6 - 9] | | | |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | | Inflammation | Chronic Active, Minimal |
| [Eosinophilic Focus TGLs = 2 - 10] | | | |
| [Hepatocellular Adenoma TGLs = 4,9 - 12+15] | | | |
| [Hepatocellular Carcinoma TGLs = 3 - 11] | | | |
| * Lung | | Carcinoma | Metastatic (Harderian Gland) |
| [Carcinoma TGLs = 7 - 14] | | | |
| Lymph Node | Pancreatic | Lymphoma Malignant | |
| Note: Pancreatic node lesion observed in routine section with pancreas. | | | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Glands, Olfactory Epi | Dilatation | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 342

TRT#: 6

SEX: Female

DAY ON TEST: 669

DOSE: 20 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603962

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary	Respirat Epith	Hyperplasia	Minimal
* Spleen		Atrophy	Marked
		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Lymphoid, Mild
* Thymus		Pigmentation	Minimal
	[Lymphoma Malignant TGLs = 5 - 13]	Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	[Hyperplasia TGLs = 8 - 7]		

PRIMARY CAUSE OF DEATH - Harderian Gland Carcinoma

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 343

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603963

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|-----------|--|-------------------------------|-------------------------|
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hemangioma | |
| | | Hepatocellular Adenoma | Multiple |
| | | Inflammation | Chronic Active, Minimal |
| | [Eosinophilic Focus TGLs = 6 - 14] | | |
| | [Hemangioma TGLs = 3 - 11] | | |
| | [Hepatocellular Adenoma TGLs = 2,4,5 - 10+12+13] | | |
| Mesentery | Fat | Necrosis | Mild |
| | [Necrosis TGLs = 7 - 15] | | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Glands, Olfactory Epi | Dilatation | Minimal |
| | Glands, Olfactory Epi | Hyperplasia | Mild |
| | Olfactory Epi | Metaplasia | Respiratory, Mild |
| | Glands, Olfactory Epi | Metaplasia | Respiratory, Minimal |
| * Ovary | | Atrophy | Marked |
| * Spleen | | Pigmentation | Moderate |
| * Thymus | | Atrophy | Mild |
| * Uterus | | Dilatation | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 343

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603963

ORGAN AND ACCOUNTABLE SITE STATUS

[Dilatation TGLs = 1 - 7]

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 344

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603964

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland	* Thymus
---------------------	----------

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 2 - 11]		
	[Hepatocellular Adenoma TGLs = 1 - 10]		
* Nose	Respirat Epi	Accumulation, Hyaline Droplet	Minimal
	Glands, Olfactory Epi	Dilatation	Minimal
	Glands, Olfactory Epi	Hyperplasia	Minimal
	Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal
* Ovary		Atrophy	Moderate
* Spleen		Pigmentation	Minimal

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 345

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603965

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Bone Marrow
- * Brain
- * Eye
- * Gallbladder
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Lymph Node, Mesenteric
- * Mammary Gland
- * Stomach, Forestomach
- * Stomach, Glandular
- * Urinary Bladder
- Blood Vessel
- * Clitoral Gland
- * Harderian Gland
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Pancreas
- * Thyroid Gland
- * Bone
- * Esophagus
- * Heart
- * Intestine Small, Duodenum
- * Kidney
- * Salivary Glands
- * Trachea

MISSING

- * Parathyroid Gland

OBSERVATIONS

- * Liver
 - Eosinophilic Focus
 - Hepatocellular Adenoma
 - Hepatocellular Carcinoma
 - Inflammation
 - [Eosinophilic Focus TGLs = 8,10-16]
 - [Hepatocellular Adenoma TGLs = 5,6-13+14]
 - [Hepatocellular Carcinoma TGLs = 4 - 12]
 - * Lung
 - Alveolar/Bronchiolar Adenoma
 - [Alveolar/Bronchiolar Adenoma TGLs = 9 - 17]
 - * Lymph Node, Mandibular
 - Atrophy
 - * Nose
 - Respirat Epith
 - Glands, Respirat Epith
 - Glands, Respirat Epith
 - Respirat Epith
 - Glands, Respirat Epith
 - Metaplasia
 - * Ovary
 - Atrophy
 - * Pituitary Gland
 - Pars Distalis
 - Hyperplasia
 - [Hyperplasia TGLs = 3 - 11]
- Multiple
 Chronic Active, Minimal
 Multiple
 Moderate
 Minimal
 Minimal
 Minimal
 Minimal
 Minimal
 Respiratory, Minimal
 Marked
 Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 345

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603965

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin	Subcut Tiss	Fibrosarcoma	
	[Fibrosarcoma TGLs = 1 - 10]		
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Uterus		Dilatation	Marked
	[Dilatation TGLs = 2 - 7]		

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 346

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603966

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Lung | * Mammary Gland |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| Tooth | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|--------------------------|---|-------------------------------|-------------------------|
| * Bone | | Fibro-Osseous Lesion | Minimal |
| * Bone Marrow | | Hyperplasia | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | Hepatocyte | Hepatocellular Carcinoma | |
| | | Hypertrophy | Mild |
| | | Inflammation | Chronic Active, Minimal |
| | [Eosinophilic Focus TGLs = 7,8 - 14+15] | | |
| | [Hepatocellular Adenoma TGLs = 6,8-13+15] | | |
| | [Hepatocellular Carcinoma TGLs = 5-12] | | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| | [Lymphoma Malignant TGLs = 9 - 5] | | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Mild |
| | Glands, Respirat Epith | Dilatation | Minimal |
| | Olfactory Epi | Metaplasia | Respiratory, Minimal |
| * Ovary | | Atrophy | Moderate |
| Skeletal Muscle | | Rhabdomyosarcoma | Multiple |
| | [Rhabdomyosarcoma TGLs = 2,3 - 10+11] | | |
| * Spleen | | Lymphoma Malignant | |
| | [Lymphoma Malignant TGLs = 1 - 4] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 346

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603966

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Moderate

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

[Hyperplasia TGLs = 4 - 7]

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 347

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603967

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Bone Marrow
- * Brain
- * Eye
- * Gallbladder
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Lung
- * Lymph Node, Mandibular
- * Parathyroid Gland
- * Pituitary Gland
- * Stomach, Forestomach
- * Stomach, Glandular
- * Urinary Bladder
- Blood Vessel
- * Clitoral Gland
- * Harderian Gland
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Lymph Node, Mesenteric
- * Salivary Glands
- * Thyroid Gland
- * Bone
- * Esophagus
- * Heart
- * Intestine Small, Duodenum
- * Kidney
- * Mammary Gland
- * Skin
- * Trachea

OBSERVATIONS

- * Liver
 - Eosinophilic Focus
 - Hepatocellular Adenoma
 - Hepatocellular Carcinoma
 - Hepatocyte
 - Hypertrophy
 - Inflammation
 - Mixed Cell Focus
- [Eosinophilic Focus TGLs = 7,10 - 13+16]
- [Hepatocellular Adenoma TGLs = 8,9-14+15]
- [Hepatocellular Carcinoma TGLs = 3-11]
- [Mixed Cell Focus TGLs = 4 - 11]
- Mesentery
 - Fat
 - Necrosis
- [Necrosis TGLs = 1,2 - 10]
- * Nose
 - Respirat Epith
 - Glands, Olfactory Epi
 - Glands, Respirat Epith
 - Glands, Respirat Epith
 - Respirat Epith
 - Glands, Respirat Epith
- * Ovary
 - Accumulation, Hyaline Droplet
 - Dilatation
 - Dilatation
 - Hyperplasia
 - Hyperplasia
 - Metaplasia
- * Pancreas
 - Atrophy
 - Atrophy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 347

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603967

ORGAN AND ACCOUNTABLE SITE STATUS

Duct

Cyst

Marked

Note: Pancreatic atrophy was based more upon the lesion section (B12) than B05.

[Atrophy TGLs = 5 - 5]

[Cyst TGLs = 6 - 12]

* Spleen

Pigmentation

Minimal

* Thymus

Atrophy

Mild

* Uterus

Polyp Stromal

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 348

TRT#: 6

SEX: Female

DAY ON TEST: 703

DOSE: 20 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603968

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Glandular
* Thyroid Gland	* Trachea		

MISSING

* Thymus

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
* Lung	Hepatocyte	Hypertrophy	Mild
		Alveolar/Bronchiolar Carcinoma	
		Fibrous Histiocytoma	
	[Alveolar/Bronchiolar Carcinoma		
* Lymph Node, Mandibular	TGLs = 4 - 13]	Atrophy	Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
	Glands, Respirat Epith	Hyperplasia	Minimal
	Glands, Respirat Epith	Metaplasia	Respiratory, Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
	Olfactory Epi	Necrosis	Minimal
* Ovary		Atrophy	Marked
* Skin	Epidermis	Hyperplasia	Moderate
	Subcut Tiss	Neurofibrosarcoma	
		Ulcer	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 348

TRT#: 6

SEX: Female

DAY ON TEST: 703

DOSE: 20 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603968

ORGAN AND ACCOUNTABLE SITE STATUS

[Ulcer TGLs = 1 - 10]

* Spleen

Hematopoietic Cell Proliferation

Moderate

* Stomach, Forestomach

Epithelium

Hyperplasia

Marked

Squamous Cell Papilloma

[Hyperplasia TGLs = 5,6 - 14+15]

[Squamous Cell Papilloma TGLs = 5 - 14]

* Urinary Bladder

Fibrous Histiocytoma

* Uterus

Fibrous Histiocytoma

[Fibrous Histiocytoma TGLs = 2-11+12, 3-7]

PRIMARY CAUSE OF DEATH

- Uterus Fibrous Histiocytoma

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 349

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603969

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone		Fibro-Osseous Lesion	Mild
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 1,2 - 10+11]		
	[Hepatocellular Adenoma TGLs = 3 - 12]		
* Lung		Hemorrhage	Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
	Glands, Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Glands, Respirat Epith	Metaplasia	Respiratory, Minimal
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Uterus		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 350

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603970

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lung |
| * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | * Uterus |

OBSERVATIONS

- | | | | |
|--------------------------|---|-------------------------------|-------------------------|
| * Bone | | Fibro-Osseous Lesion | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Inflammation | Chronic Active, Minimal |
| | [Eosinophilic Focus TGLs = 2,3 - 11+12] | | |
| * Lymph Node, Mandibular | | Atrophy | Minimal |
| Mesentery | Fat | Necrosis | Mild |
| | [Necrosis TGLs = 1 - 10] | | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| * Ovary | | Atrophy | Moderate |
| * Spleen | | Pigmentation | Minimal |
| * Stomach, Forestomach | | Squamous Cell Papilloma | |
| | [Squamous Cell Papilloma TGLs = 4 - 13] | | |
| * Thymus | | Atrophy | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 351

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603971

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Mammary Gland |
| * Pancreas | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|--------------------------|--|-------------------------------|--------------------|
| * Kidney | | Lymphoma Malignant | |
| | | Nephropathy | Mild |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | Multiple |
| | Hepatocyte | Hypertrophy | Mild |
| | [Hepatocellular Adenoma TGLs = 3,5,6 - 11+13+14] | | |
| | [Hepatocellular Carcinoma TGLs = 1,4 - 10+12] | | |
| * Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| | [Lymphoma Malignant TGLs = 7 - 5] | | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Nerve | Atrophy | Moderate |
| | Glands, Respirat Epith | Dilatation | Mild |
| | Glands, Olfactory Epi | Dilatation | Moderate |
| | Respirat Epith | Hyperplasia | Mild |
| | Glands, Respirat Epith | Hyperplasia | Mild |
| | Glands, Olfactory Epi | Hyperplasia | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 351

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603971

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Moderate
	Glands, Respirat Epith	Metaplasia	Respiratory, Mild
	Glands, Olfactory Epi	Metaplasia	Respiratory, Mild
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
		Pigmentation	Minimal
	[Lymphoma Malignant TGLs = 2 - 4]		
* Thymus		Atrophy	Mild

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 352

TRT#: 8

SEX: Female

DAY ON TEST: 386

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 0603972

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone		Osteosarcoma	
	[Osteosarcoma TGLs = 2 - 10]		
* Lung		Osteosarcoma	Metastatic (Bone)
Lymph Node	Mediastinal	Osteosarcoma	Metastatic (Bone)
	[Osteosarcoma TGLs = 3 - 11]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Glands, Olfactory Epi	Dilatation	Minimal
	Glands, Respirat Epith	Dilatation	Minimal
	Glands, Olfactory Epi	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Respiratory, Minimal
	Olfactory Epi	Necrosis	Minimal
* Ovary		Atrophy	Mild
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Bone Osteosarcoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 353

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603973

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|------------------------|--|-------------------------------|-------------------------|
| * Liver | | Basophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Inflammation | Chronic Active, Minimal |
| | [Hepatocellular Adenoma TGLs = 1,2,3,4,5 - 10+11+12+13+14] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Nerve | Atrophy | Mild |
| | Glands, Olfactory Epi | Dilatation | Moderate |
| | Glands, Respirat Epith | Dilatation | Minimal |
| | Glands, Olfactory Epi | Hyperplasia | Mild |
| | Olfactory Epi | Metaplasia | Respiratory, Moderate |
| | Glands, Olfactory Epi | Metaplasia | Respiratory, Mild |
| * Ovary | | Atrophy | Marked |
| * Spleen | Red Pulp | Atrophy | Mild |
| | | Hyperplasia | Lymphoid, Mild |
| | | Pigmentation | Minimal |
| * Stomach, Forestomach | | Squamous Cell Papilloma | |
| | [Squamous Cell Papilloma TGLs = 6 - 15] | | |
| * Thymus | | Atrophy | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 353

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603973

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 354

TRT#: 8

SEX: Female

DAY ON TEST: 701

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603974

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Harderian Gland		Hyperplasia	Marked
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
	Hepatocyte	Hepatocellular Carcinoma	
		Hypertrophy	Minimal
		Necrosis	Mild
	[Eosinophilic Focus TGLs = 2,4,5,6,7 - 11+13+14+15+16]		
	[Hepatocellular Adenoma TGLs = 3 - 12]		
	[Hepatocellular Carcinoma TGLs = 1 - 10]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLs = 8 - 17]		
* Nose	Nerve	Atrophy	Mild
	Glands, Olfactory Epi	Dilatation	Mild
	Glands, Olfactory Epi	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Respiratory, Moderate
	Glands, Olfactory Epi	Metaplasia	Respiratory, Mild
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 354

TRT#: 8

SEX: Female

DAY ON TEST: 701

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603974

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Moderate
		Ulcer	Mild
[Hyperplasia TGLs = 9 - 18]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 355

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603975

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|---------|--|-------------------------------|-------------------------|
| * Heart | | Cardiomyopathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatoblastoma | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | | Inflammation | Chronic Active, Minimal |
| | [Hepatoblastoma TGLs = 4 - 12] | | |
| | [Hepatocellular Adenoma TGLs = 2,3,6 - 10+11+14] | | |
| | [Hepatocellular Carcinoma TGLs = 5 - 13] | | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Nerve | Atrophy | Moderate |
| | Glands, Olfactory Epi | Dilatation | Mild |
| | Glands, Respirat Epith | Dilatation | Minimal |
| | Respirat Epith | Hyperplasia | Mild |
| | Glands, Olfactory Epi | Hyperplasia | Mild |
| | Olfactory Epi | Metaplasia | Respiratory, Moderate |
| | Glands, Respirat Epith | Metaplasia | Respiratory, Mild |
| | Glands, Olfactory Epi | Metaplasia | Respiratory, Moderate |
| * Ovary | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 355

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603975

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Pigmentation	Minimal
* Thymus	Atrophy	Mild
* Uterus	Dilatation	Mild

[Dilatation TGLs = 1 - 7]

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 356

TRT#: 8

SEX: Female

DAY ON TEST: 53

DOSE: 60 MG/KG

DISP: Dosing Accident

HISTO: 0603976

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart	Epicardium	Fibrosis	Mild
* Liver	Hepatocyte	Hypertrophy	Mild
* Lung		Foreign Body	
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Marked
Note: TGL-1 = abscesses containing plant material (food). [Inflammation TGLs = 1 - 10]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Glands, Olfactory Epi	Hyperplasia	Minimal

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 357

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603977

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Blood Vessel
- * Bone Marrow
- * Brain
- * Clitoral Gland
- * Esophagus
- * Eye
- * Gallbladder
- * Harderian Gland
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Duodenum
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Islets, Pancreatic
- * Lung
- * Lymph Node, Mandibular
- * Lymph Node, Mesenteric
- * Mammary Gland
- * Pancreas
- * Parathyroid Gland
- * Pituitary Gland
- * Salivary Glands
- * Skin
- * Stomach, Glandular
- * Thyroid Gland
- * Trachea
- * Urinary Bladder
- * Uterus

OBSERVATIONS

- * Bone Fibro-Osseous Lesion Mild
- * Heart Cardiomyopathy Minimal
- * Kidney Nephropathy Minimal
- * Liver Eosinophilic Focus
- Hepatocellular Adenoma Multiple
- Inflammation Chronic Active, Minimal
- [Eosinophilic Focus TGLs = 4 - 13]
- [Hepatocellular Adenoma TGLs = 2-11]
- [Hepatocellular Carcinoma TGLs = 1,3,5-10+12+14]
- * Nose Respirat Epith Accumulation, Hyaline Droplet Minimal
- Glands, Olfactory Epi Dilatation Moderate
- Glands, Respirat Epith Dilatation Mild
- Respirat Epith Hyperplasia Minimal
- Glands, Olfactory Epi Hyperplasia Minimal
- Inflammation Minimal
- Olfactory Epi Metaplasia Respiratory, Moderate
- Glands, Olfactory Epi Metaplasia Respiratory, Mild
- * Ovary Atrophy Marked
- * Spleen Hematopoietic Cell Proliferation Mild
- Pigmentation Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 357

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603977

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Minimal
[Hyperplasia TGLs = 6 - 15]			
* Thymus		Atrophy	Marked
Tooth		Dysplasia	

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 358

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603978

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Mammary Gland | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | * Uterus |

OBSERVATIONS

- | | | | |
|--------------------------|---|-------------------------------|-------------------------|
| * Bone Marrow | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | Multiple |
| | | Inflammation | Chronic Active, Minimal |
| | [Eosinophilic Focus TGLs = 4,5 - 13+14] | | |
| | [Hepatocellular Adenoma TGLs = 3 - 12] | | |
| | [Hepatocellular Carcinoma TGLs = 1,2 - 10+11] | | |
| * Lymph Node, Mesenteric | | Atrophy | Moderate |
| Mesentery | Fat | Necrosis | Mild |
| | [Necrosis TGLs = 6 - 15] | | |
| * Nose | Olfactory Epi | Accumulation, Hyaline Droplet | Minimal |
| | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Glands, Olfactory Epi | Dilatation | Mild |
| | Glands, Respirat Epith | Dilatation | Mild |
| | Glands, Olfactory Epi | Hyperplasia | Mild |
| | Respirat Epith | Hyperplasia | Minimal |
| | Olfactory Epi | Metaplasia | Respiratory, Moderate |
| | Glands, Olfactory Epi | Metaplasia | Respiratory, Mild |
| * Ovary | | Atrophy | Marked |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 358

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603978

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Minimal

* Thymus

Atrophy

Marked

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 359

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603979

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Cyst	Moderate
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic Active, Minimal
		Pigmentation	Minimal
	[Hepatocellular Adenoma TGLs = 3,4,5,6,7 - 10+11+12+14]		
* Lung	[Alveolar/Bronchiolar Adenoma TGLs = 8 - 15]	Alveolar/Bronchiolar Adenoma	
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 2 - 17]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Glands, Olfactory Epi	Dilatation	Moderate
	Glands, Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Moderate
	Glands, Olfactory Epi	Metaplasia	Respiratory, Mild
* Ovary		Atrophy	Marked
Skeletal Muscle		Rhabdomyosarcoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 359

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603979

ORGAN AND ACCOUNTABLE SITE STATUS

[Rhabdomyosarcoma TGLs = 1 - 16]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Minimal
[Hyperplasia TGLs = 9 - 13]			
* Thymus		Atrophy	Mild

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 360

TRT#: 8

SEX: Female

DAY ON TEST: 627

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603980

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | Blood Vessel | * Brain | * Clitoral Gland |
| * Esophagus | * Eye | * Gallbladder | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Skin |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

- * Thymus

OBSERVATIONS

- | | | | |
|---|---|-------------------------------|----------|
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Bone | | Fracture | |
| Note: healed fracture below femoral physis. | | | |
| * Bone Marrow | | Hyperplasia | Moderate |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | Multiple |
| | [Eosinophilic Focus TGLs = 3,5 - 12+14] | | |
| | [Hepatocellular Adenoma TGLs = 6,7 - 15+16] | | |
| | [Hepatocellular Carcinoma TGLs = 1,2 - 10+11] | | |
| * Lymph Node, Mandibular | | Atrophy | Marked |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Olfactory Epi | Accumulation, Hyaline Droplet | Minimal |
| | Nerve | Atrophy | Minimal |
| | Glands, Respirat Epith | Dilatation | Minimal |
| | Glands, Olfactory Epi | Dilatation | Mild |
| | Glands, Respirat Epith | Hyperplasia | Minimal |
| | Glands, Olfactory Epi | Hyperplasia | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 360

TRT#: 8

SEX: Female

DAY ON TEST: 627

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603980

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Metaplasia	Respiratory, Mild
	Glands, Olfactory Epi	Metaplasia	Respiratory, Mild
* Ovary		Atrophy	Marked
* Spleen		Atrophy	Mild
		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Mild
	[Hyperplasia TGLs = 4 - 13]		
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 361

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603981

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Liver	Bile Duct	Cyst	Marked
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Lymphoma Malignant	
	[Cyst TGLs = 2,3,4,9 - 10+11+12+14]		
	[Eosinophilic Focus TGLs = 10 - 14]		
	[Hepatocellular Adenoma TGLs = 7,8 - 12+13]		
	[Hepatocellular Carcinoma TGLs = 6 - 11]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Glands, Olfactory Epi	Dilatation	Moderate
	Glands, Respirat Epith	Dilatation	Mild
	Glands, Olfactory Epi	Hyperplasia	Moderate
	Glands, Respirat Epith	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 361

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603981

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Moderate
	Glands, Olfactory Epi	Metaplasia	Respiratory, Mild
* Ovary		Atrophy	Moderate
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 1 - 4]		
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	[Hyperplasia TGLs = 5 - 13]		

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 362

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603982

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic Active, Minimal
	[Hepatocellular Adenoma TGLs = 1,2-10+11]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Nerve	Atrophy	Moderate
	Glands, Olfactory Epi	Dilatation	Moderate
	Glands, Respirat Epith	Dilatation	Minimal
	Glands, Olfactory Epi	Hyperplasia	Moderate
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Moderate
	Glands, Olfactory Epi	Metaplasia	Respiratory, Mild
* Ovary		Atrophy	Marked
* Salivary Glands		Fibrosis	Mild
* Spleen		Hyperplasia	Lymphoid, Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 362

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603982

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Dilatation

Mild

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 363

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603983

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lung |
| * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|--------------------------|---|-------------------------------|-------------------------|
| * Bone | | Fibro-Osseous Lesion | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | Multiple |
| | Hepatocyte | Hypertrophy | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| | [Hepatocellular Adenoma TGLs = 4,5-12+13] | | |
| | [Hepatocellular Carcinoma TGLs = 1,2,3-10+11] | | |
| * Lymph Node, Mandibular | | Atrophy | Mild |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Nerve | Atrophy | Moderate |
| | Glands, Olfactory Epi | Dilatation | Mild |
| | Glands, Respirat Epith | Hyperplasia | Minimal |
| | Glands, Olfactory Epi | Hyperplasia | Mild |
| | Respirat Epith | Hyperplasia | Minimal |
| | | Inflammation | Minimal |
| | Olfactory Epi | Metaplasia | Respiratory, Moderate |
| | Glands, Olfactory Epi | Metaplasia | Respiratory, Moderate |
| * Ovary | | Atrophy | Minimal |
| * Spleen | | Lymphoma Malignant | |
| | | Pigmentation | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 363

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603983

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant TGLs = 6 - 14]

* Thymus

Atrophy

Mild

* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 364

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603984

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Inflammation	Chronic Active, Minimal
	[Hepatocellular Adenoma TGLs = 2,3,5-11+12]		
	[Hepatocellular Carcinoma TGLs = 1,4-10+13]		
* Nose	Nerve	Atrophy	Moderate
	Glands, Olfactory Epi	Dilatation	Moderate
	Respirat Epith	Hyperplasia	Minimal
	Glands, Olfactory Epi	Hyperplasia	Moderate
		Inflammation	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Moderate
	Glands, Respirat Epith	Metaplasia	Respiratory, Minimal
	Glands, Olfactory Epi	Metaplasia	Respiratory, Moderate
* Ovary		Atrophy	Marked
* Spleen		Hyperplasia	Lymphoid, Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 365

TRT#: 8

SEX: Female

DAY ON TEST: 711

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603985

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Mammary Gland |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|---|---|-------------------------------|-------------------------|
| * Bone Marrow | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | | Fatty Change | Minimal |
| | | Hepatocellular Adenoma | Multiple |
| | | Inflammation | Chronic Active, Minimal |
| Note: TGL-6 includes several coalescing foci as well as at least one small adenoma. | | | |
| | [Hepatocellular Adenoma TGLs = 2,3,4,5,6 - 10+11+12+13] | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| | Lymph Node | Lymphoma Malignant | |
| * Lymph Node, Mesenteric | Pancreatic | Lymphoma Malignant | |
| | [Lymphoma Malignant TGLs = 1 - 5] | | |
| * Nose | Olfactory Epi | Accumulation, Hyaline Droplet | Minimal |
| | Respirat Epith | Accumulation, Hyaline Droplet | Mild |
| | Nerve | Atrophy | Marked |
| | Glands, Olfactory Epi | Dilatation | Mild |
| | Glands, Respirat Epith | Dilatation | Minimal |
| | Respirat Epith | Hyperplasia | Mild |
| | Glands, Olfactory Epi | Hyperplasia | Moderate |
| | | Inflammation | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 365

TRT#: 8

SEX: Female

DAY ON TEST: 711

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603985

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Metaplasia	Respiratory, Marked
	Glands, Olfactory Epi	Metaplasia	Respiratory, Moderate
* Ovary		Atrophy	Marked
* Spleen		Lymphoma Malignant	
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Minimal
		Ulcer	Minimal
	[Hyperplasia TGLs = 7 - 14]		
* Thymus		Lymphoma Malignant	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 366

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603986

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone Marrow |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Lymph Node, Mesenteric | * Mammary Gland |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------|--|-------------------------------|-------------------------|
| * Bone | | Fibro-Osseous Lesion | Mild |
| * Brain | Olfactory Lobe | Atrophy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | | Inflammation | Chronic Active, Minimal |
| | [Hepatocellular Adenoma TGLs = 3,4,5,6-11+12+13] | | |
| | [Hepatocellular Carcinoma TGLs = 2-10] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | Note: TGL 8=NCL (No Correlating Lesion) | | |
| | [Alveolar/Bronchiolar Adenoma TGLs = 7 - 3] | | |
| * Lymph Node, Mandibular | | Hyperplasia | Lymphoid, Mild |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Nerve | Atrophy | Mild |
| | Glands, Olfactory Epi | Dilatation | Moderate |
| | Glands, Respirat Epith | Dilatation | Mild |
| | Glands, Olfactory Epi | Hyperplasia | Moderate |
| | Respirat Epith | Hyperplasia | Minimal |
| | | Inflammation | Minimal |
| | Olfactory Epi | Metaplasia | Respiratory, Moderate |
| | Glands, Olfactory Epi | Metaplasia | Respiratory, Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 366

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603986

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Intermed	Hyperplasia	Mild
* Spleen		Hyperplasia	Lymphoid, Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Minimal
* Uterus		Dilatation	Mild
[Dilatation TGLs = 1 - 7]			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 367

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603987

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|-------------------------------------|--|--------------------------|-------------------------|
| Blood Vessel | | Inflammation | Minimal |
| Note: Two cardiac vessels involved. | | | |
| * Liver | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | Hepatocyte | Hypertrophy | Mild |
| | | Inflammation | Chronic Active, Minimal |
| | [Hepatocellular Adenoma TGLs = 3,5,6,7 - 11+12+13] | | |
| | [Hepatocellular Carcinoma TGLs = 4 - 11] | | |
| * Nose | Nerve | Atrophy | Minimal |
| | Glands, Olfactory Epi | Dilatation | Mild |
| | Glands, Respirat Epith | Dilatation | Minimal |
| | Glands, Olfactory Epi | Hyperplasia | Mild |
| | Olfactory Epi | Metaplasia | Respiratory, Mild |
| | Glands, Olfactory Epi | Metaplasia | Respiratory, Mild |
| * Ovary | | Atrophy | Marked |
| | | Cyst | Marked |
| | [Cyst TGLs = 1 - 7] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 367

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603987

ORGAN AND ACCOUNTABLE SITE STATUS

Skeletal Muscle		Rhabdomyosarcoma	
[Rhabdomyosarcoma TGLs = 2 - 10]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 8 - 7]			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 368

TRT#: 8

SEX: Female

DAY ON TEST: 481

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603988

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mesenteric | * Mammary Gland |
| * Ovary | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Skin | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------|--|----------------------------------|-----------------------|
| * Bone Marrow | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hematopoietic Cell Proliferation | Minimal |
| | | Hepatocellular Adenoma | |
| | | Mixed Cell Focus | |
| | [Eosinophilic Focus TGLs = 2,3,6 - 10+11+14] | | |
| | [Hepatocellular Adenoma TGLs = 4 - 12] | | |
| | [Mixed Cell Focus TGLs = 5 - 13] | | |
| * Lung | Bronchus | Necrosis | Minimal |
| * Lymph Node, Mandibular | | Hyperplasia | Lymphoid, Mild |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Nerve | Atrophy | Moderate |
| | Glands, Olfactory Epi | Dilatation | Mild |
| | Glands, Respirat Epith | Dilatation | Mild |
| | Glands, Olfactory Epi | Hyperplasia | Mild |
| | Respirat Epith | Hyperplasia | Mild |
| | | Inflammation | Minimal |
| | Olfactory Epi | Metaplasia | Respiratory, Moderate |
| | Glands, Olfactory Epi | Metaplasia | Respiratory, Mild |
| | Respirat Epith | Necrosis | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 368

TRT#: 8

SEX: Female

DAY ON TEST: 481

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603988

ORGAN AND ACCOUNTABLE SITE STATUS

* Salivary Glands		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Moderate
		Ulcer	Mild
	[Ulcer TGLs = 7 - 15]		
* Thymus		Atrophy	Marked
* Uterus		Dilatation	Moderate
	[Dilatation TGLs = 1 - 7]		

PRIMARY CAUSE OF DEATH - UNCERTAIN

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 369

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603989

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Bone Marrow
- * Brain
- * Eye
- * Gallbladder
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Lymph Node, Mesenteric
- * Mammary Gland
- * Pituitary Gland
- * Salivary Glands
- * Thyroid Gland
- * Trachea
- Blood Vessel
- * Clitoral Gland
- * Harderian Gland
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Pancreas
- * Skin
- * Urinary Bladder
- * Bone
- * Esophagus
- * Heart
- * Intestine Small, Duodenum
- * Lymph Node, Mandibular
- * Parathyroid Gland
- * Stomach, Glandular

OBSERVATIONS

- * Kidney
 - Nephropathy
 - Minimal
- * Liver
 - Eosinophilic Focus
 - Hepatocellular Adenoma
 - Multiple
 - Hepatocellular Carcinoma
 - Multiple
 - Inflammation
 - Chronic Active, Minimal
- [Hepatocellular Adenoma TGLs = 2,7-10+14]
- [Hepatocellular Carcinoma TGLs = 4,5,6-11+12+13]
- * Lung
 - Alveolus
 - Infiltration Cellular
 - Histiocyte, Mild
 - Note: Cholesterol clefts, large histiocytes, and occasional giant cells in focal area represent TGL-8.
 - [Infiltration Cellular TGLs = 8 - 15]
- Mesentery
 - Fat
 - Necrosis
 - Mild
 - [Necrosis TGLs = 3 - 10]
- * Nose
 - Respirat Epith
 - Accumulation, Hyaline Droplet
 - Minimal
 - Nerve
 - Atrophy
 - Mild
 - Glands, Olfactory Epi
 - Dilatation
 - Moderate
 - Glands, Respirat Epith
 - Dilatation
 - Minimal
 - Glands, Olfactory Epi
 - Hyperplasia
 - Moderate
 - Olfactory Epi
 - Metaplasia
 - Respiratory, Moderate
 - Glands, Olfactory Epi
 - Metaplasia
 - Respiratory, Moderate
 - Glands, Respirat Epith
 - Metaplasia
 - Respiratory, Moderate
- * Ovary
 - Atrophy
 - Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 369

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603989

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Minimal
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Mild
		Ulcer	Mild
	[Hyperplasia TGLs = 9 - 5+16]		
* Thymus		Atrophy	Moderate
* Uterus		Atrophy	Moderate
	[Atrophy TGLs = 1 - 7]		

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 370

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603990

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Liver		Eosinophilic Focus	
		Fatty Change	Minimal
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Hepatocellular Adenoma TGLs = 3,4 - 11+12]		
	[Hepatocellular Carcinoma TGLs = 2 - 10]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLs = 1 - 3]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Nerve	Atrophy	Minimal
	Glands, Olfactory Epi	Dilatation	Mild
	Respirat Epith	Hyperplasia	Minimal
	Glands, Olfactory Epi	Hyperplasia	Moderate
	Glands, Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 370

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603990

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands, Respirat Epith	Metaplasia	Respiratory, Minimal
	Glands, Olfactory Epi	Metaplasia	Respiratory, Mild
* Ovary		Atrophy	Marked
* Spleen		Hyperplasia	Lymphoid, Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Mild
	[Hyperplasia TGLs = 5 - 13]		
* Thymus		Atrophy	Mild

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 371

TRT#: 8

SEX: Female

DAY ON TEST: 602

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 0603991

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone		Fibro-Osseous Lesion	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 2,5 - 11+13]		
	[Hepatocellular Adenoma TGLs = 3,4 - 12+13]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mesenteric		Atrophy	Mild
* Nose	Nerve	Atrophy	Moderate
	Glands, Olfactory Epi	Dilatation	Mild
	Glands, Respirat Epith	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Glands, Olfactory Epi	Hyperplasia	Mild
		Inflammation	Mild
	Olfactory Epi	Metaplasia	Respiratory, Moderate
	Glands, Olfactory Epi	Metaplasia	Respiratory, Mild
* Ovary		Atrophy	Moderate
* Spleen		Atrophy	Moderate
	Red Pulp	Atrophy	Moderate
		Pigmentation	Minimal
* Stomach, Forestomach		Erosion	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 371

TRT#: 8

SEX: Female

DAY ON TEST: 602

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 0603991

ORGAN AND ACCOUNTABLE SITE STATUS

Epithelium

Hyperplasia

Moderate

Inflammation

Moderate

[Hyperplasia TGLs = 1 - 10]

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 372

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603992

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lymph Node, Mandibular |
| * Mammary Gland | * Pancreas | * Pituitary Gland | * Salivary Glands |
| * Skin | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|---|---|-------------------------------|-----------------------|
| * Bone | | Fibro-Osseous Lesion | Moderate |
| Note: Fibro-osseous lesion was in the frontal or nasal bones. | | | |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | [Hepatocellular Adenoma TGLs = 2,3,4,5 - 11+12+13+14] | | |
| | [Hepatocellular Carcinoma TGLs = 1 - 10] | | |
| * Lung | Alveolar Epith | Hyperplasia | Minimal |
| | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| * Lymph Node, Mesenteric | | Atrophy | Mild |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Nerve | Atrophy | Moderate |
| | Glands, Olfactory Epi | Dilatation | Mild |
| | Glands, Respirat Epith | Dilatation | Mild |
| | Glands, Olfactory Epi | Hyperplasia | Moderate |
| | Respirat Epith | Hyperplasia | Minimal |
| | | Inflammation | Minimal |
| | Olfactory Epi | Metaplasia | Respiratory, Moderate |
| | Glands, Olfactory Epi | Metaplasia | Respiratory, Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 372

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603992

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Marked
* Spleen		Hyperplasia	Lymphoid, Minimal
		Pigmentation	Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 6 - 15]		
* Thymus		Atrophy	Mild

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 373

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603993

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Clitoral Gland |
| * Esophagus | * Eye | * Gallbladder | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Mammary Gland | * Pancreas | * Pituitary Gland | * Skin |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|---------------|---|----------------------------------|-------------------------|
| * Bone | | Fibro-Osseous Lesion | Minimal |
| * Bone Marrow | | Histiocytic Sarcoma | |
| * Brain | Olfactory Lobe | Atrophy | Minimal |
| * Kidney | Renal Tubule | Histiocytic Sarcoma | |
| | [Histiocytic Sarcoma TGLs = 2 - 4] | Necrosis | Minimal |
| * Liver | | Fatty Change | Mild |
| | | Hematopoietic Cell Proliferation | Mild |
| | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | Multiple |
| | | Histiocytic Sarcoma | |
| | | Inflammation | Chronic Active, Minimal |
| | | Necrosis | Mild |
| | [Fatty Change TGLs = 6 - 3+4+5+10+11+12] | | |
| | [Hepatocellular Adenoma TGLs = 3 - 10] | | |
| | [Hepatocellular Carcinoma TGLs = 4,5 - 11+12] | | |
| * Lung | | Histiocytic Sarcoma | |
| Lymph Node | Mediastinal | Histiocytic Sarcoma | |
| | Renal | Histiocytic Sarcoma | |
| | [Histiocytic Sarcoma TGLs = 7 - 13] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 373

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603993

ORGAN AND ACCOUNTABLE SITE STATUS

[Histiocytic Sarcoma	TGLs = 10 - 16]		
* Lymph Node, Mandibular		Histiocytic Sarcoma	
[Histiocytic Sarcoma	TGLs = 8 - 14]		
* Lymph Node, Mesenteric		Histiocytic Sarcoma	
[Histiocytic Sarcoma	TGLs = 9 - 15]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Nerve	Atrophy	Moderate
	Glands, Olfactory Epi	Dilatation	Moderate
	Glands, Respirat Epith	Dilatation	Minimal
	Glands, Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Moderate
	Glands, Olfactory Epi	Metaplasia	Respiratory, Mild
* Ovary		Atrophy	Marked
* Salivary Glands		Histiocytic Sarcoma	
* Spleen		Histiocytic Sarcoma	
[Histiocytic Sarcoma	TGLs = 1 - 4]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
		Ulcer	Minimal
[Hyperplasia	TGLs = 11 - 17]		

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 374

TRT#: 8

SEX: Female

DAY ON TEST: 387

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0603994

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lung	Bronchus, Epithelium	Regeneration	Minimal
	Bronchiole, Epithelium	Regeneration	Minimal
* Nose	Respirat Epi	Accumulation, Hyaline Droplet	Minimal
	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Nerve	Atrophy	Minimal
	Glands, Olfactory Epi	Dilatation	Mild
	Glands, Olfactory Epi	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Respiratory, Mild
	Glands, Olfactory Epi	Metaplasia	Respiratory, Mild
	Vomeronas Org	Necrosis	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 375

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603995

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Mammary Gland |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------|--|----------------------------------|-------------------------|
| * Bone Marrow | | Hyperplasia | Mild |
| * Kidney | | Inflammation | Moderate |
| | Papilla | Necrosis | Moderate |
| | [Necrosis TGLs = 2 - 4] | | |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Inflammation | Chronic Active, Minimal |
| | | Mixed Cell Focus | |
| | [Hepatocellular Adenoma TGLs = 3,4,5,6,7 - 10+11+12+13+14] | | |
| * Lymph Node, Mandibular | | Hemangioma | |
| * Lymph Node, Mesenteric | | Inflammation | Granulomatous, Marked |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Nerve | Atrophy | Mild |
| | Glands, Olfactory Epi | Dilatation | Moderate |
| | Glands, Olfactory Epi | Hyperplasia | Mild |
| | Respirat Epith | Hyperplasia | Minimal |
| | | Inflammation | Minimal |
| | Olfactory Epi | Metaplasia | Respiratory, Moderate |
| | Glands, Olfactory Epi | Metaplasia | Respiratory, Mild |
| * Ovary | | Atrophy | Marked |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 375

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603995

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium	Pigmentation	Minimal
		Hyperplasia	Mild
		Inflammation	Mild
		Squamous Cell Papilloma	
	[Hyperplasia TGLs = 9 - 16]		
	[Squamous Cell Papilloma TGLs = 8 - 15]		
* Thymus		Atrophy	Marked
* Uterus		Dilatation	Mild
	[Dilatation TGLs = 1 - 7]		

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 376

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603996

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Blood Vessel
- * Bone Marrow
- * Clitoral Gland
- * Esophagus
- * Eye
- * Gallbladder
- * Harderian Gland
- * Heart
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Duodenum
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Islets, Pancreatic
- * Kidney
- * Lung
- * Mammary Gland
- * Pancreas
- * Pituitary Gland
- * Salivary Glands
- * Skin
- * Stomach, Forestomach
- * Stomach, Glandular
- * Thyroid Gland
- * Trachea
- * Urinary Bladder

MISSING

- * Parathyroid Gland

OBSERVATIONS

- * Bone Fibro-Osseous Lesion Minimal
- * Brain Olfactory Lobe Atrophy Mild
- * Liver Eosinophilic Focus
- Hepatocellular Adenoma Multiple
- Hepatocellular Carcinoma
- Inflammation Chronic Active, Minimal
- [Eosinophilic Focus TGLs = 3 - 11]
- [Hepatocellular Adenoma TGLs = 2,5,6-10+13+14]
- [Hepatocellular Carcinoma TGLs = 4-12]
- * Lymph Node, Mandibular Hyperplasia Lymphoid, Mild
- * Lymph Node, Mesenteric Atrophy Mild
- * Nose Respirat Epith Accumulation, Hyaline Droplet Mild
- Nerve Atrophy Mild
- Glands, Olfactory Epi Dilatation Mild
- Glands, Respirat Epith Dilatation Minimal
- Glands, Olfactory Epi Hyperplasia Mild
- Inflammation Minimal
- Olfactory Epi Metaplasia Respiratory, Moderate
- Glands, Olfactory Epi Metaplasia Respiratory, Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 376

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603996

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Marked
		Cystadenoma	
	[Cystadenoma TGLs = 1 - 7]		
* Spleen		Hyperplasia	Lymphoid, Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 377

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603997

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Clitoral Gland
- * Harderian Gland
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Lymph Node, Mesenteric
- * Pituitary Gland
- * Stomach, Glandular
- * Uterus
- Blood Vessel
- * Esophagus
- * Heart
- * Intestine Small, Duodenum
- * Kidney
- * Mammary Gland
- * Salivary Glands
- * Thyroid Gland
- * Bone
- * Eye
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lung
- * Pancreas
- * Skin
- * Trachea
- * Brain
- * Gallbladder
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mandibular
- * Parathyroid Gland
- * Stomach, Forestomach
- * Urinary Bladder

OBSERVATIONS

- * Adrenal Medulla
- * Bone Marrow
- * Liver
- Hepatocyte
- [Hepatocellular Adenoma TGLs = 4-13]
- [Hepatocellular Carcinoma TGLs = 1,2,3,5-10+11+12+14]
- * Nose
- * Ovary
- * Spleen
- Pheochromocytoma Benign
- Hyperplasia
- Eosinophilic Focus
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- Hypertrophy
- Inflammation
- Accumulation, Hyaline Droplet
- Atrophy
- Dilatation
- Dilatation
- Hyperplasia
- Hyperplasia
- Metaplasia
- Metaplasia
- Atrophy
- Hyperplasia
- Pigmentation
- Moderate
- Multiple
- Multiple
- Minimal
- Chronic Active, Minimal
- Minimal
- Mild
- Mild
- Minimal
- Minimal
- Mild
- Respiratory, Moderate
- Respiratory, Mild
- Moderate
- Lymphoid, Minimal
- Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 377

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603997

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Mild

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 378

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603998

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|-------------------|---|-------------------------------|-------------------------|
| * Bone | | Fibro-Osseous Lesion | Mild |
| * Harderian Gland | | Hyperplasia | Minimal |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | Bile Duct | Cyst | Mild |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Inflammation | Chronic Active, Minimal |
| | [Basophilic Focus TGLs = 4 - 13] | | |
| | [Clear Cell Focus TGLs = 7 - 16] | | |
| | [Eosinophilic Focus TGLs = 1,5 - 10+14] | | |
| | [Hepatocellular Adenoma TGLs = 2,3 - 11+12] | | |
| * Nose | Olfactory Epi | Accumulation, Hyaline Droplet | Moderate |
| | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Nerve | Atrophy | Moderate |
| | Glands, Olfactory Epi | Dilatation | Mild |
| | Glands, Respirat Epith | Dilatation | Mild |
| | Glands, Olfactory Epi | Hyperplasia | Mild |
| | Respirat Epith | Hyperplasia | Mild |
| | | Inflammation | Minimal |
| | Olfactory Epi | Metaplasia | Respiratory, Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 378

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0603998

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary	Glands, Olfactory Epi	Metaplasia	Respiratory, Mild
* Pituitary Gland	Pars Distalis	Atrophy	Marked
	Pars Distalis	Angiectasis	Minimal
	[Angiectasis TGLs = 6 - 15]	Hyperplasia	Minimal
* Spleen		Pigmentation	Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 8 - 17]		
* Thymus		Atrophy	Mild

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 379

TRT#: 8

SEX: Female

DAY ON TEST: 699

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 0603999

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Brain	* Eye	* Harderian Gland	* Lymph Node, Mandibular
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	

OBSERVATIONS

* Kidney		Mineralization	Minimal
* Liver		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Inflammation	Chronic Active, Minimal
	[Hepatoblastoma TGLs = 4 - 13]		
	[Hepatocellular Adenoma TGLs = 1,2 - 10+11]		
	[Hepatocellular Carcinoma TGLs = 3,5 - 12+14]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Glands, Olfactory Epi	Dilatation	Moderate
	Glands, Respirat Epith	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Glands, Olfactory Epi	Hyperplasia	Mild
		Inflammation	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Moderate
	Glands, Olfactory Epi	Metaplasia	Respiratory, Mild
* Ovary		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 379

TRT#: 8

SEX: Female

DAY ON TEST: 699

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 0603999

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 380

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0604000

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Lymph Node, Mandibular | * Mammary Gland |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|---|------------------------|-------------------------------|-------------------------|
| * Bone | | Fibro-Osseous Lesion | Minimal |
| * Harderian Gland | | Adenoma | |
| [Adenoma TGLs = 1 - 9] | | | |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | Multiple |
| | | Inflammation | Chronic Active, Minimal |
| [Eosinophilic Focus TGLs = 7 - 15] | | | |
| [Hepatocellular Carcinoma TGLs = 2,3,4,5-10+11+12+13] | | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| [Alveolar/Bronchiolar Adenoma TGLs = 6 - 14] | | | |
| * Lymph Node, Mesenteric | | Atrophy | Moderate |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Nerve | Atrophy | Mild |
| | Glands, Olfactory Epi | Dilatation | Mild |
| | Glands, Respirat Epith | Dilatation | Minimal |
| | Glands, Olfactory Epi | Hyperplasia | Mild |
| | | Inflammation | Minimal |
| | Olfactory Epi | Metaplasia | Respiratory, Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 380

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0604000

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands, Olfactory Epi	Metaplasia	Respiratory, Mild
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Mild

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 381

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0604001

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Mammary Gland |
| * Pancreas | * Pituitary Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|--------------------------|--|-------------------------------|----------|
| * Bone | | Fibro-Osseous Lesion | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | Multiple |
| | Hepatocyte | Hypertrophy | Moderate |
| | | Necrosis | Marked |
| | [Eosinophilic Focus TGLs = 7 - 15] | | |
| | [Hepatocellular Adenoma TGLs = 5,6-13+14] | | |
| | [Hepatocellular Carcinoma TGLs = 2,4-11+12] | | |
| | [Necrosis TGLs = 9 - 17] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | [Alveolar/Bronchiolar Adenoma TGLs = 8 - 16] | | |
| * Lymph Node, Mesenteric | | Atrophy | Marked |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Olfactory Epi | Accumulation, Hyaline Droplet | Minimal |
| | Nerve | Atrophy | Mild |
| | Glands, Olfactory Epi | Dilatation | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 381

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0604001

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands, Olfactory Epi	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Respiratory, Moderate
	Glands, Olfactory Epi	Metaplasia	Respiratory, Mild
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
	[Hematopoietic Cell Proliferation TGLs = 10 - 4]		
* Thymus		Atrophy	Moderate
Tongue		Cyst	Moderate
	[Cyst TGLs = 1 - 10]		
Tooth		Dysplasia	
* Uterus		Dilatation	Moderate
	[Dilatation TGLs = 3 - 7]		

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 382

TRT#: 8

SEX: Female

DAY ON TEST: 570

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 0604002

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain	Olfactory Lobe	Atrophy	Minimal
* Heart		Mineralization	Mild
* Kidney	Renal Tubule	Necrosis	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Fatty Change	Moderate
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Oval Cell	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
	[Basophilic Focus TGLs = 4 - 12]		
	[Hepatocellular Adenoma TGLs = 2,5 - 11+13]		
	[Hepatocellular Carcinoma TGLs = 1,3 - 10+11]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Bronchus	Necrosis	Minimal
	Bronchus, Epithelium	Regeneration	Mild
	Bronchiole, Epithelium	Regeneration	Minimal
	[Alveolar/Bronchiolar Adenoma TGLs = 7 - 14]		
* Lymph Node, Mesenteric		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 382

TRT#: 8

SEX: Female

DAY ON TEST: 570

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 0604002

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Nerve	Atrophy	Mild
	Glands, Olfactory Epi	Dilatation	Minimal
	Nasolacrim Dct	Hyperplasia	Regenerative, Minimal
	Glands, Olfactory Epi	Hyperplasia	Minimal
		Inflammation	Mild
	Olfactory Epi	Metaplasia	Respiratory, Moderate
	Glands, Olfactory Epi	Metaplasia	Respiratory, Minimal
	Olfactory Epi	Necrosis	Moderate
	Respirat Epith	Necrosis	Mild
	Transit Epithe	Necrosis	Mild
* Ovary		Atrophy	Marked
* Pancreas		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 6 - 4]		
* Thymus		Atrophy	Marked
* Trachea		Inflammation	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma
 CONTRIBUTORY CAUSE OF DEATH - Kidney Renal Tubule Necrosis
 - Nose Olfactory Epi Necrosis

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 383

TRT#: 8

SEX: Female

DAY ON TEST: 578

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0604003

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Esophagus	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Clitoral Gland

OBSERVATIONS

* Bone Marrow		Atrophy	Minimal
* Brain	Olfactory Lobe	Atrophy	Moderate
* Eye	Cornea	Inflammation	Mild
* Harderian Gland		Adenoma	
	[Adenoma TGLs = 1 - 9]		
* Heart		Inflammation	Moderate
		Mineralization	Marked
* Kidney		Inflammation	Mild
		Mineralization	Minimal
* Liver		Eosinophilic Focus	
		Fatty Change	Moderate
		Hepatocellular Adenoma	
		Mixed Cell Focus	
		Necrosis	Minimal
	[Eosinophilic Focus TGLs = 2,5,7 - 10+13+14]		
	[Fatty Change TGLs = 6 - 3+4+5]		
	[Hepatocellular Adenoma TGLs = 3 - 11]		
	[Mixed Cell Focus TGLs = 4 - 12]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Bronchus	Necrosis	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 383

TRT#: 8

SEX: Female

DAY ON TEST: 578

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0604003

ORGAN AND ACCOUNTABLE SITE STATUS

	Bronchus, Epithelium	Regeneration	Mild
	Bronchiole, Epithelium	Regeneration	Mild
	[Alveolar/Bronchiolar Adenoma TGLs = 8 - 15]		
* Lymph Node, Mesenteric		Atrophy	Marked
* Nose	Nerve	Atrophy	Moderate
	Glands, Respirat Epith	Dilatation	Mild
	Nasolacrim Dct	Hyperplasia	Regenerative, Moderate
	Transit Epithe	Hyperplasia	Regenerative, Mild
	Respirat Epith	Hyperplasia	Regenerative, Mild
	Glands, Olfactory Epi	Hyperplasia	Mild
	Glands, Respirat Epith	Hyperplasia	Mild
		Inflammation	Moderate
	Respirat Epith	Necrosis	Mild
	Olfactory Epi	Necrosis	Moderate
	Vomeronas Org	Necrosis	Mild
	Transit Epithe	Necrosis	Mild
* Ovary		Atrophy	Marked
* Spleen		Atrophy	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Heart Inflammation

CONTRIBUTORY CAUSE OF DEATH - Nose Olfactory Epi Necrosis

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 384

TRT#: 8

SEX: Female

DAY ON TEST: 579

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0604004

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Bone Marrow
- * Clitoral Gland
- * Harderian Gland
- * Intestine Large, Cecum
- * Intestine Small, Duodenum
- * Intestine Small, Ileum
- * Lymph Node, Mandibular
- * Mammary Gland
- * Salivary Glands
- * Skin
- * Urinary Bladder
- * Uterus
- Blood Vessel
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Pancreas
- * Stomach, Forestomach
- * Bone
- * Gallbladder
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Pituitary Gland
- * Thyroid Gland

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|--------------------------|-----------------------------------|----------------|------------------------|
| * Brain | Olfactory Lobe | Atrophy | Moderate |
| * Eye | Cornea | Inflammation | Mild |
| * Heart | | Mineralization | Moderate |
| * Kidney | | Mineralization | Minimal |
| * Liver | | Fatty Change | Marked |
| | [Fatty Change TGLs = 2 - 3+4+5] | | |
| * Lung | Bronchus | Necrosis | Mild |
| | Bronchus, Epithelium | Regeneration | Mild |
| | Bronchiole, Epithelium | Regeneration | Mild |
| * Lymph Node, Mesenteric | | Atrophy | Moderate |
| * Nose | Nerve | Atrophy | Moderate |
| | Glands, Lateral Wall | Dilatation | Mild |
| | Nasolacrim Dct | Hyperplasia | Regenerative, Moderate |
| | Glands, Olfactory Epi | Hyperplasia | Moderate |
| | Glands, Respirat Epith | Hyperplasia | Minimal |
| | Respirat Epith | Hyperplasia | Regenerative, Minimal |
| | | Inflammation | Mild |
| | Respirat Epith | Necrosis | Mild |
| | Olfactory Epi | Necrosis | Mild |
| | Vomeronas Org | Necrosis | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 384

TRT#: 8

SEX: Female

DAY ON TEST: 579

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0604004

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Marked
* Spleen		Atrophy	Moderate
	Red Pulp	Atrophy	Marked
		Pigmentation	Moderate
	[Atrophy TGLs = 1 - 4]		
* Stomach, Glandular	Glands	Dysplasia	Minimal
* Thymus		Atrophy	Marked
* Trachea	Glands	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Liver Fatty Change

CONTRIBUTORY CAUSE OF DEATH - Nose Olfactory Epi Necrosis

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 385

TRT#: 8

SEX: Female

DAY ON TEST: 573

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0604005

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Bone Marrow		Atrophy	Minimal
* Esophagus		Foreign Body	
	Epithelium	Inflammation	Minimal
* Eye	Cornea	Inflammation	Minimal
* Heart		Mineralization	Mild
* Liver		Fatty Change	Marked
		Hepatocellular Adenoma	
		Mineralization	Minimal
		Mixed Cell Focus	
		Necrosis	Mild
	[Fatty Change TGLs = 6 - 3+4+5+11+12+13+14+15]		
	[Hepatocellular Adenoma TGLs = 2 - 11]		
	[Mixed Cell Focus TGLs = 3,4,5,7 - 12+13+14+15]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Bronchus	Necrosis	Mild
	Bronchiole, Epithelium	Necrosis	Minimal
	Bronchus, Epithelium	Regeneration	Moderate
	Bronchiole, Epithelium	Regeneration	Moderate
* Lymph Node, Mesenteric		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 385

TRT#: 8

SEX: Female

DAY ON TEST: 573

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0604005

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 1 - 10]			
* Nose	Nerve	Atrophy	Moderate
	Glands, Lateral Wall	Dilatation	Minimal
	Glands, Olfactory Epi	Dilatation	Minimal
	Glands, Olfactory Epi	Hyperplasia	Marked
	Nasolacrim Dct	Hyperplasia	Regenerative, Moderate
	Respirat Epith	Hyperplasia	Regenerative, Minimal
		Inflammation	Moderate
	Olfactory Epi	Necrosis	Marked
	Vomeronas Org	Necrosis	Mild
	Respirat Epith	Necrosis	Moderate
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Hyperplasia	Minimal
	Acinus	Necrosis	Mild
* Spleen	Red Pulp	Atrophy	Marked
		Atrophy	Moderate
		Pigmentation	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Liver Fatty Change

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 386

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0604006

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

Blood Vessel		Inflammation	Moderate
Note: Inflammation involves a serosal vessel in the forestomach and a vessel in the thyroid gland, salivary gland, and nose.			
* Bone Marrow		Hyperplasia	Moderate
* Liver		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Pigmentation	Minimal
	[Hepatoblastoma TGLs = 5 - 12]		
	[Hepatocellular Adenoma TGLs = 6-13]		
	[Hepatocellular Carcinoma TGLs = 4,6-10+11+14]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Hepatoblastoma	Metastatic (Liver)
	[Alveolar/Bronchiolar Adenoma TGLs = 7 - 15]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Nerve	Atrophy	Minimal
	Glands, Olfactory Epi	Dilatation	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 386

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0604006

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands, Respirat Epi	Dilatation	Mild
	Glands, Olfactory Epi	Hyperplasia	Mild
	Respirat Epi	Hyperplasia	Minimal
		Inflammation	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Moderate
	Glands, Olfactory Epi	Metaplasia	Respiratory, Mild
* Ovary		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
	[Hematopoietic Cell Proliferation TGLs = 3 - 4]		
* Stomach, Forestomach	Epithelium	Cyst	Mild
	[Cyst TGLs = 8 - 16]		
* Thymus		Atrophy	Mild
* Uterus		Dilatation	Mild
	[Dilatation TGLs = 1 - 7]		

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 387

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0604007

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Gallbladder

OBSERVATIONS

* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 3 - 12]		
	[Hepatocellular Adenoma TGLs = 2,4,5 - 11+12]		
	[Hepatocellular Carcinoma TGLs = 1 - 10]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Nerve	Atrophy	Mild
	Glands, Olfactory Epi	Dilatation	Moderate
	Glands, Respirat Epith	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Glands, Olfactory Epi	Hyperplasia	Moderate
		Inflammation	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 387

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0604007

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary	Glands, Olfactory Epi	Metaplasia	Respiratory, Moderate
* Spleen		Atrophy	Marked
		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Moderate
		Squamous Cell Papilloma	
		Ulcer	Minimal
	[Hyperplasia TGLs = 6 - 13]		
	[Squamous Cell Papilloma TGLs = 6 - 13]		
* Thymus		Atrophy	Marked
Tooth		Dysplasia	

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 388

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0604008

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Bone Marrow
- * Brain
- * Eye
- * Gallbladder
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Lung
- * Lymph Node, Mandibular
- * Pancreas
- * Pituitary Gland
- * Stomach, Glandular
- * Thyroid Gland
- * Uterus
- Blood Vessel
- * Clitoral Gland
- * Harderian Gland
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Lymph Node, Mesenteric
- * Salivary Glands
- * Trachea
- * Bone
- * Esophagus
- * Heart
- * Intestine Small, Duodenum
- * Kidney
- * Mammary Gland
- * Stomach, Forestomach
- * Urinary Bladder

MISSING

- * Parathyroid Gland

OBSERVATIONS

- * Liver
 - Basophilic Focus
 - Eosinophilic Focus
 - Hepatocellular Adenoma
 - Hepatocellular Carcinoma
 - Hypertrophy
 - Inflammation
 - Hepatocyte
 - [Hepatocellular Adenoma TGLs = 3,4,5,6 - 12+13+14+15]
 - [Hepatocellular Carcinoma TGLs = 1 - 11]
- * Nose
 - Accumulation, Hyaline Droplet
 - Accumulation, Hyaline Droplet
 - Atrophy
 - Dilatation
 - Hyperplasia
 - Hyperplasia
 - Inflammation
 - Metaplasia
 - Metaplasia
 - Atrophy
- * Ovary
 - Minimal
 - Mild
 - Mild
 - Mild
 - Minimal
 - Moderate
 - Minimal
 - Respiratory, Moderate
 - Respiratory, Moderate
 - Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 388

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0604008

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin	Inflammation	Moderate
	Ulcer	Moderate
[Ulcer TGLs = 2 - 10]		
* Spleen	Hematopoietic Cell Proliferation	Mild
	Pigmentation	Minimal
* Thymus	Atrophy	Mild

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 389

TRT#: 8

SEX: Female

DAY ON TEST: 708

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0604009

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

Blood Vessel		Inflammation	Minimal
Note: Coronary artery is inflamed.			
* Bone Marrow		Hyperplasia	Minimal
* Brain	Olfactory Lobe	Atrophy	Minimal
* Kidney	Cortex	Cyst	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Oval Cell	Hyperplasia	Mild
	Kupffer Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
		Pigmentation	Minimal
	[Hepatocellular Adenoma TGLs = 3,4-12+13]		
	[Hepatocellular Carcinoma TGLs = 1,2-10+11]		
	[Hypertrophy TGLs = 5 - 14]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Necrosis	Minimal
* Nose	Nerve	Atrophy	Marked
	Glands, Olfactory Epi	Dilatation	Mild
	Glands, Respirat Epith	Dilatation	Mild
	Respirat Epith	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 10:28:07
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

ANIMAL ID: 389

TRT#: 8

SEX: Female

DAY ON TEST: 708

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0604009

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands, Olfactory Epi	Hyperplasia	Moderate
		Inflammation	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Marked
	Glands, Olfactory Epi	Metaplasia	Respiratory, Mild
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Moderate
		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 6 - 15]		
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 390

TRT#: 8

SEX: Female

DAY ON TEST: 645

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0604010

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Harderian Gland		Adenoma	
	[Adenoma TGLs = 7 - 9]		
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 1,3,5 - 10+11+13]		
	[Hepatocellular Carcinoma TGLs = 2,4 - 10+13]		
* Lung		Alveolar/Bronchiolar Carcinoma	
		Lymphoma Malignant	
	[Alveolar/Bronchiolar Carcinoma TGLs = 6 - 14]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Nerve	Atrophy	Mild
	Glands, Olfactory Epi	Dilatation	Mild
	Respirat Epith	Hyperplasia	Minimal
	Glands, Olfactory Epi	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Moderate
	Glands, Olfactory Epi	Metaplasia	Respiratory, Moderate
* Ovary		Atrophy	Marked
* Spleen		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 390

TRT#: 8

SEX: Female

DAY ON TEST: 645

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 0604010

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium	Pigmentation	Minimal
		Hyperplasia	Marked
		Inflammation	Mild
[Hyperplasia TGLs = 8 - 12]			
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 391

TRT#: 8

SEX: Female

DAY ON TEST: 43

DOSE: 60 MG/KG

DISP: Dosing Accident

HISTO: 0604011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Brain | * Clitoral Gland | * Eye | * Gallbladder |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Ovary | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|---|-----------------------|---|----------------------------|
| * Bone Marrow | | Hyperplasia | Moderate |
| * Esophagus | Muscularis | Degeneration
Perforation | Minimal |
| Note: Part of the mass is lined by squamous epithelium, which in B10 is contiguous with the esophagus (diverticulum). | | | |
| * Liver | | Hematopoietic Cell Proliferation | Moderate |
| * Lung | Alveolus | Foreign Body
Infiltration Cellular
Inflammation | Histiocyte, Mild
Marked |
| Note: TGL-2 mass is a large abscess filled with debris including plant material.
[Inflammation TGLs = 2 - 10+11] | | | |
| * Nose | Glands, Olfactory Epi | Hyperplasia
Inflammation | Minimal
Minimal |
| | Olfactory Epi | Metaplasia | Respiratory, Minimal |
| | Olfactory Epi | Necrosis | Minimal |
| * Spleen | | Hematopoietic Cell Proliferation | Moderate |
| [Hematopoietic Cell Proliferation TGLs = 1 - 4] | | | |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 392

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0604012

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Necrosis	Minimal
	[Hepatocellular Adenoma TGLs = 3,4,5,6,7 - 11+12+13+14]		
	Mesentery	Fat	Necrosis
	[Necrosis TGLs = 2 - 10]		Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Nerve	Atrophy	Minimal
	Glands, Olfactory Epi	Dilatation	Moderate
	Glands, Respirat Epith	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Glands, Olfactory Epi	Hyperplasia	Moderate
		Inflammation	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Moderate
	Glands, Olfactory Epi	Metaplasia	Respiratory, Moderate
* Ovary		Atrophy	Marked
* Spleen		Hyperplasia	Lymphoid, Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 392

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0604012

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

* Uterus

[Dilatation TGLs = 1 - 7]

Pigmentation

Atrophy

Dilatation

Minimal

Moderate

Moderate

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 393

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0604013

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|----------|--|------------------------|-------------------------|
| * Brain | | Meningioma Benign | |
| | Note: Occasional cells in this mass have granules like in a granular cell tumor, suggesting CNS derivation, though most are spindloid, hence diagnosed meningioma. | | |
| | [Meningioma Benign TGLs = 5 - 10] | | |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Inflammation | Chronic Active, Minimal |
| | [Hepatocellular Adenoma TGLs = 1,2,3,4 - 11+12+13+14] | | |
| * Nose | Nerve | Atrophy | Mild |
| | Glands, Olfactory Epi | Dilatation | Mild |
| | Glands, Respirat Epith | Dilatation | Mild |
| | Glands, Olfactory Epi | Hyperplasia | Mild |
| | Glands, Respirat Epith | Hyperplasia | Minimal |
| | | Inflammation | Minimal |
| | Olfactory Epi | Metaplasia | Respiratory, Moderate |
| | Glands, Olfactory Epi | Metaplasia | Respiratory, Mild |
| | Glands, Respirat Epith | Metaplasia | Respiratory, Minimal |
| * Ovary | | Angiectasis | Moderate |
| | | Atrophy | Marked |
| | | Thrombosis | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 393

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0604013

ORGAN AND ACCOUNTABLE SITE STATUS

[Angiectasis TGLs = 6 - 7]

* Spleen

Hyperplasia

Lymphoid, Mild

Pigmentation

Minimal

* Thymus

Atrophy

Mild

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 394

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0604014

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Bone Marrow
- * Brain
- * Eye
- * Gallbladder
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Lymph Node, Mesenteric
- * Mammary Gland
- * Pituitary Gland
- * Salivary Glands
- * Trachea
- * Urinary Bladder
- Blood Vessel
- * Clitoral Gland
- * Harderian Gland
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Pancreas
- * Skin
- * Uterus
- * Bone
- * Esophagus
- * Heart
- * Intestine Small, Duodenum
- * Lung
- * Parathyroid Gland
- * Stomach, Glandular

OBSERVATIONS

- * Kidney Nephropathy Minimal
- * Liver Eosinophilic Focus
- Hepatocellular Adenoma Multiple
- Hepatocellular Carcinoma Multiple
- Inflammation Chronic Active, Minimal
- [Hepatocellular Adenoma TGLs = 2,3,5 - 10+11+12]
- [Hepatocellular Carcinoma TGLs = 1,4 - 10+11]
- * Lymph Node, Mandibular Atrophy Mild
- * Nose Respirat Epith Accumulation, Hyaline Droplet Minimal
- Glands, Olfactory Epi Dilatation Mild
- Respirat Epith Hyperplasia Minimal
- Glands, Olfactory Epi Hyperplasia Mild
- Inflammation Minimal
- Olfactory Epi Metaplasia Respiratory, Moderate
- Glands, Olfactory Epi Metaplasia Respiratory, Mild
- * Ovary Atrophy Marked
- Thrombosis Marked
- [Thrombosis TGLs = 6 - 7]
- * Spleen Hyperplasia Lymphoid, Moderate
- Pigmentation Minimal
- * Stomach, Forestomach Epithelium Hyperplasia Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 394

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0604014

ORGAN AND ACCOUNTABLE SITE STATUS

Inflammation

Moderate

Ulcer

Mild

[Hyperplasia TGLs = 7 - 13]

* Thymus

Atrophy

Mild

* Thyroid Gland

Follicular Cel

Adenoma

Note: Ectopic thymic tissue is within the mass.

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 395

TRT#: 8

SEX: Female

DAY ON TEST: 607

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 0604015

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone Marrow		Lymphoma Malignant	
* Gallbladder		Lymphoma Malignant	
* Kidney	Capsule	Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 4 - 11]		
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant	
		Necrosis	Mild
	[Hepatocellular Adenoma TGLs = 6 - 17+18]		
	[Lymphoma Malignant TGLs = 6 - 3+4]		
* Lung		Lymphoma Malignant	
Lymph Node	Lumbar	Hemorrhage	Moderate
	Renal	Lymphoma Malignant	
	Lumbar	Lymphoma Malignant	
	Pancreatic	Lymphoma Malignant	
Note: Axillary lymph nodes also affected (TGL-8-B14).			
Note: Lumbar lymph node has thrombosis (coded as hemorrhage since thrombosis was not available in LDAS II for lymph nodes).			
Note: Pancreatic lymph node diagnosed from routine section of pancreas.			
	[Lymphoma Malignant TGLs = 7 - 13]		
	[Lymphoma Malignant TGLs = 3 - 10]		
* Lymph Node, Mandibular		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 9 - 15]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 395

TRT#: 8

SEX: Female

DAY ON TEST: 607

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 0604015

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 5 - 12]		
* Nose	Nerve	Atrophy	Mild
	Glands, Respirat Epith	Dilatation	Minimal
	Glands, Olfactory Epi	Dilatation	Mild
	Respirat Epith	Hyperplasia	Minimal
	Glands, Olfactory Epi	Hyperplasia	Mild
	Glands, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Moderate
	Glands, Olfactory Epi	Metaplasia	Respiratory, Mild
	Glands, Respirat Epith	Metaplasia	Respiratory, Minimal
* Ovary		Atrophy	Marked
		Thrombosis	Marked
	[Thrombosis TGLs = 1 - 7]		
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 2 - 4]		
* Stomach, Glandular		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 10 - 16]		

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

CONTRIBUTORY CAUSE OF DEATH - Lymph Node, Mandibular Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 396

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0604016

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Pigmentation	Minimal
	[Hepatocellular Carcinoma TGLs = 3,4,5-11+12+13]		
* Lymph Node, Mandibular		Atrophy	Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Nerve	Atrophy	Mild
	Glands, Olfactory Epi	Dilatation	Moderate
	Glands, Respirat Epith	Dilatation	Mild
	Glands, Olfactory Epi	Hyperplasia	Moderate
	Glands, Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Moderate
	Glands, Olfactory Epi	Metaplasia	Respiratory, Moderate
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Intermed	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 396

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0604016

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant TGLs = 1 - 4]			
* Stomach, Forestomach	Epithelium	Erosion Hyperplasia Inflammation	Mild Marked Marked
[Hyperplasia TGLs = 6-14]			
* Thymus		Atrophy	Moderate

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 397

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0604017

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Brain	Olfactory Lobe	Atrophy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLs = 2,3,5,6 - 10+12+13]		
	[Hepatocellular Carcinoma TGLs = 4 - 11]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Nerve	Atrophy	Mild
	Glands, Respirat Epith	Dilatation	Minimal
	Glands, Olfactory Epi	Dilatation	Mild
	Respirat Epith	Hyperplasia	Minimal
	Glands, Respirat Epith	Hyperplasia	Minimal
	Glands, Olfactory Epi	Hyperplasia	Mild
		Inflammation	Mild
	Olfactory Epi	Metaplasia	Respiratory, Moderate
	Glands, Respirat Epith	Metaplasia	Respiratory, Minimal
	Glands, Olfactory Epi	Metaplasia	Respiratory, Moderate
* Ovary		Atrophy	Marked
* Spleen		Pigmentation	Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 7 - 14]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 397

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0604017

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Mild

* Uterus

Dilatation

Moderate

[Dilatation TGLs = 1 - 7]

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
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 Lab: BAT

ANIMAL ID: 398

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0604018

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone		Fibro-Osseous Lesion	Mild
		Osteopetrosis	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 5 - 13]		
	[Hepatocellular Adenoma TGLs = 3,4 - 11+12]		
	[Hepatocellular Carcinoma TGLs = 2,6 - 10+14]		
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Marked
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 7 - 14]		
* Nose	Nerve	Atrophy	Mild
	Glands, Olfactory Epi	Dilatation	Moderate
	Glands, Respirat Epith	Dilatation	Minimal
	Glands, Olfactory Epi	Hyperplasia	Mild
	Glands, Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

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First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 398

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0604018

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands, Olfactory Epi	Metaplasia	Respiratory, Mild
	Glands, Respirat Epith	Metaplasia	Respiratory, Minimal
* Ovary		Cyst	Marked
	[Cyst TGLs = 1 - 7]		
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Marked
		Pigmentation	Minimal
* Thymus		Atrophy	Mild

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 399

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0604019

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|----------|---|-------------------------------|-------------------------|
| * Liver | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | | Hepatoblastoma | |
| | | Hepatocellular Adenoma | Multiple |
| | | Inflammation | Chronic Active, Minimal |
| | [Hepatoblastoma TGLs = 6 - 14] | | |
| | [Hepatocellular Adenoma TGLs = 2,3,4,5 - 10+11+12+13] | | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Nerve | Atrophy | Mild |
| | Glands, Respirat Epith | Dilatation | Minimal |
| | Glands, Olfactory Epi | Dilatation | Mild |
| | Respirat Epith | Hyperplasia | Mild |
| | Glands, Respirat Epith | Hyperplasia | Minimal |
| | Glands, Olfactory Epi | Hyperplasia | Moderate |
| | | Inflammation | Minimal |
| | Olfactory Epi | Metaplasia | Respiratory, Moderate |
| | Glands, Olfactory Epi | Metaplasia | Respiratory, Minimal |
| | Glands, Respirat Epith | Metaplasia | Respiratory, Minimal |
| * Ovary | | Atrophy | Marked |
| * Spleen | | Hyperplasia | Lymphoid, Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

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First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 399

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 0604019

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

* Uterus

[Dilatation TGLs = 1 - 7]

Pigmentation

Atrophy

Dilatation

Minimal

Mild

Marked

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 10:28:07
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

ANIMAL ID: 400

TRT#: 8

SEX: Female

DAY ON TEST: 512

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 0604020

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Pancreas
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland	* Salivary Glands
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OBSERVATIONS

* Bone Marrow		Atrophy	Mild
* Heart		Mineralization	Moderate
* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Mild
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
		Necrosis	Mild
	[Hepatocellular Adenoma TGLs = 1,2,3-10+11]		
	[Hepatocellular Carcinoma TGLs = 5-13]		
	[Mixed Cell Focus TGLs = 4 - 12]		
* Lymph Node, Mesenteric		Atrophy	Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Nerve	Atrophy	Mild
	Glands, Olfactory Epi	Dilatation	Mild
	Glands, Olfactory Epi	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Mild
	Glands, Olfactory Epi	Metaplasia	Respiratory, Mild
* Ovary		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 10:28:07

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

ANIMAL ID: 400

TRT#: 8

SEX: Female

DAY ON TEST: 512

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 0604020

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Red Pulp	Atrophy	Moderate
		Atrophy	Mild
		Pigmentation	Moderate
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

*** END OF REPORT ***