TDMS No. 20101 - 02

P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH Date Report Requested: 03/11/2010 AVERAGE SEVERITY GRADES[b]

Test Type: 26-39 WEEKS Route: DOSED FEED Species/Strain: MICE/P53(C57BL/6) Senna (powdered) CAS Number: 8013-11-4

Time Report Requested: 11:54:36 First Dose M/F: 06/26/07 / 06/25/07 Lab: BAT

F1_Rev.1_MD

Lock Date: 09/03/2008
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.2.0

TDMS No. 20101 - 02	P18: INCIDENCE RAT	Date Report Requested: 03/11/2010				
Test Type: 26-39 WEEKS		AVERAGE SEVERITY GRADES[b] Senna (powdered)				
Route: DOSED FEED		CAS Numbe	er: 8013-11-4		First Dose M/F: 06	6/26/07 / 06/25/07
Species/Strain: MICE/P53(C57BL/6)					Lab: BAT	
P53+/-(C57BL/6) MICE MALE	0 ppm	100 ppm	300 ppm	1000 ppm	3000 ppm	10,000 ppm
Disposition Summary						
Animals Initially In Study	25	25	25	25	25	25
Early Deaths Natural Death Survivors		1			2	1
Terminal Sacrifice	25	24	25	25	23	24
Animals Examined Microscopically	25	25	25	25	25	25
ALIMENTARY SYSTEM						
Intestine Large, Cecum	(25)	(25)	(25)	(25)	(23)	(25)
Epithelium, Hyperplasia					()	22 [1.4]
Intestine Large, Colon	(25)	(25)	(25)	(25)	(24)	(25)
Epithelium, Hyperplasia					3 [1.3]	25 [2.8]
Intestine Large, Rectum	(24)	(25)	(25)	(25)	(24)	(25)
Epithelium, Hyperplasia						1 [2.0]
Intestine Small, Duodenum	(25)	(25)	(25)	(25)	(23)	(25)
Ectopic Tissue					1	
Intestine Small, Jejunum	(25)	(25)	(25)	(25)	(23)	(24)
Epithelium, Hyperplasia			1 [2.0]			
Liver	(25)	(25)	(25)	(25)	(25)	(25)
Basophilic Focus	2	3	2			4
Clear Cell Focus				1		
Degeneration, Cystic				1 [2.0]		
Eosinophilic Focus		1		4.74.01	1	
Fibrosis		0 [4 0]		1 [1.0]		
Hematopoietic Cell Proliferation		2 [1.0]	10 [4 0]	00 [4 0]	44 [4 0]	40 [4 0]
Inflammation, Chronic Active	15 [1.0]	17 [1.0]	19 [1.0] 1	22 [1.0] 1	14 [1.0] 1	10 [1.0]
Mixed Cell Focus Necrosis	1 [1.0]	1 [1.0]	I	1 [1.0]	1 [1.0]	1 [2.0]
Tension Lipidosis	1	1 [1.0]		1 [1.0]	1 [1.0]	1 [2.0]
Kupffer Cell, Hyperplasia, Multifocal	I				1 [2.0]	
Pancreas	(25)	(25)	(25)	(25)	(25)	(25)
Stomach, Forestomach	(25)	(25)	(25)	(25)	(25)	(25)
Inflammation	()	()	()	1 [1.0]	(-)	()

TDMS No. 20101 - 02	P18: INCIDENCE RAT	Date Report Requested: 03/11/2010					
Test Type: 26-39 WEEKS		AVERAGE SEVERITY GRADES[b] Senna (powdered)					
Route: DOSED FEED		CAS Numbe	er: 8013-11-4		First Dose M/F: 06	6/26/07 / 06/25/07	
Species/Strain: MICE/P53(C57BL/6)					Lab: BAT		
P53+/-(C57BL/6) MICE MALE	0 ppm	100 ppm	300 ppm	1000 ppm	3000 ppm	10,000 ppm	
Epithelium, Hyperplasia				1 [1.0]			
Stomach, Glandular	(25)	(25)	(25)	(25)	(25)	(25)	
Mineralization		(-)	1 [1.0]	1 [1.0]	(- /	(-)	
Glands, Cyst	2 [1.0]	2 [1.0]	2 [1.0]	L - J	1 [1.0]		
Tooth	(1)	(0)	(0)	(0)	(0)	(0)	
Malformation	1 [1.0]	(-)	(-)	(-)	(-)	(-)	
CARDIOVASCULAR SYSTEM							
Blood Vessel	(25)	(25)	(25)	(25)	(25)	(25)	
Inflammation		1 [3.0]		()	()	()	
Heart	(25)	(25)	(25)	(25)	(25)	(25)	
Mineralization				()	1 [1.0]	()	
Valve, Pigmentation, Melanin	1						
ENDOCRINE SYSTEM							
Adrenal Cortex	(24)	(25)	(25)	(25)	(25)	(25)	
Atrophy	(= -)	(==)	()	1 [2.0]	(=0)	(_0)	
Embolus Bacterial				. [=:0]	1		
Hypertrophy	3 [1.0]	1 [1.0]	2 [1.0]	1 [1.0]	1 [1.0]	4 [1.5]	
Subcapsular, Hyperplasia	4 [1.3]	1[1:0]	2 [1.0]	1 [1.0]	1 [1.0]	8 [1.1]	
Adrenal Medulla	(24)	(25)	(25)	(25)	(25)	(25)	
	(27)	(20)	(20)	(20)	(20)	(20)	
GENERAL BODY SYSTEM							
None							
GENITAL SYSTEM							
Coagulating Gland	(2)	(0)	(1)	(0)	(0)	(3)	
Epithelium, Hyperplasia	2 [1.5]	\-/	1 [1.0]	x - /	x - 7	3 [1.7]	
		(25)		(25)	(25)	(25)	
Epididymis	(25)	(25)	(25)	(25)	(25)	(2	

TDMS No. 20101 - 02	P18: INCIDENCE RATI	Date Report Requested: 03/11/2010				
Test Type: 26-39 WEEKS		AVERAGE SEVERITY GRADES[b] Senna (powdered)				
Route: DOSED FEED		CAS Numbe	er: 8013-11-4		First Dose M/F: 06	6/26/07 / 06/25/07
Species/Strain: MICE/P53(C57BL/6)					Lab: BAT	
P53+/-(C57BL/6) MICE MALE	0 ppm	100 ppm	300 ppm	1000 ppm	3000 ppm	10,000 ppm
Inflammation						1 [2.0]
Epithelium, Karyomegaly	14 [1.4]				1 [1.0]	14 [1.1]
Preputial Gland	(25)	(25)	(25)	(25)	(25)	(23)
Ectasia		(-)	(-)	(-)	(- /	1 [2.0]
Hyperplasia					1 [4.0]	.[]
Duct, Ectasia	4 [3.0]				.[]	2 [4.0]
Prostate	(25)	(25)	(25)	(25)	(25)	(25)
Infiltration Cellular, Mononuclear Cell	1 [1.0]	(==)	2 [1.0]	1 [1.0]	(=0)	(_0)
Inflammation	. []		-[]	. []	1 [4.0]	1 [1.0]
Seminal Vesicle	(25)	(25)	(25)	(25)	(25)	(25)
Testes	(25)	(25)	(25)	(25)	(25)	(25)
Germinal Epithelium, Degeneration	()	(==)	1 [1.0]	(=0)	(=0)	(_0)
Rete Testes, Cyst	1 [2.0]		.[]			
HEMATOPOIETIC SYSTEM						
	(25)	(25)	(25)	(25)	(25)	
Bone Marrow	(25)	(25)	(25)	(25)	(25)	(25)
Hyperplasia		1 [2.0]	(05)	(05)	(0.4)	1 [4.0]
Lymph Node, Mandibular	(25)	(25)	(25)	(25)	(24)	(25)
Atrophy			4 [0 0]	3 [2.7]	2 [2.5]	
Hyperplasia, Lymphoid		(05)	1 [2.0]	2 [2.5]	(05)	(05)
Lymph Node, Mesenteric	(24)	(25)	(25)	(25)	(25)	(25)
Atrophy		2 [3.5]		4 70 01		
Hyperplasia, Lymphoid		(05)	(05)	1 [2.0]	(22)	
Spleen	(25)	(25)	(25)	(25)	(23)	(25)
Hematopoietic Cell Proliferation		1 [3.0]	1 [2.0]			
Infiltration Cellular, Plasma Cell						1 [2.0]
Lymphoid Follicle, Atrophy		2 [1.5]				1 [3.0]
Lymphoid Follicle, Hyperplasia	1 [2.0]	1 [3.0]				1 [1.0]
Thymus	(25)	(24)	(25)	(25)	(23)	(25)
Atrophy		1 [3.0]		2 [1.5]		1 [4.0]
Cyst		1	1			
Cortex, Hyperplasia, Lymphoid					1 [2.0]	
Epithelial Cell, Hyperplasia				1 [1.0]		
Medulla, Hyperplasia, Lymphoid		2 [2.0]	3 [1.3]	2 [2.0]	4 [1.0]	

TDMS No. 20101 - 02	P18: INCIDENCE RATI	Date Report Requested: 03/11/2010 Time Report Requested: 11:54:36				
Test Type: 26-39 WEEKS						
Route: DOSED FEED			owdered) er: 8013-11-4		First Dose M/F: 06	6/26/07 / 06/25/07
Species/Strain: MICE/P53(C57BL/6)					Lab: BAT	
P53+/-(C57BL/6) MICE MALE	0 ppm	100 ppm	300 ppm	1000 ppm	3000 ppm	10,000 ppm
INTEGUMENTARY SYSTEM						
Skin	(25)	(25)	(25)	(25)	(25)	(25)
MUSCULOSKELETAL SYSTEM						
Bone Hyperostosis	(25)	(25)	(25)	(25)	(25)	(25) 1 [2.0]
NERVOUS SYSTEM						
Brain	(25)	(25)	(25)	(25)	(25)	(25)
RESPIRATORY SYSTEM						
Lung Thrombosis Alveolar Epithelium, Hyperplasia	(25)	(25)	(25)	(25)	(25) 1 [1.0]	(25) 1 [4.0]
Nose Inflammation Glands, Olfactory Epithelium, Hyperplasia	(25) 2 [1.0]	(25) 1 [1.0]	(25) 2 [1.0] 1 [1.0]	(25)	(25) 1 [1.0]	(25)
Glands, Respiratory Epithelium, Hyperplasia Respiratory Epithelium, Cyst	1 [1.0]	6 [1.0]	2 [1.0]	2 [1.0]	3 [1.0] 1 [1.0]	
Respiratory Epithelium, Hyperplasia Septum, Hyalinization	2 [1.0] 15 [2.9]	1 [2.0]	1 [1.0]	2 [1.0]	2 [2.0]	1 [1.0] 16 [2.6]
SPECIAL SENSES SYSTEM						
Harderian Gland	(0)	(0)	(0)	(0)	(1)	(0)

TDMS No. 20101 - 02	P18: INCIDENCE RATE	P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b]				
Test Type: 26-39 WEEKS		Senna (p	owdered)		Time Report Requ	ested: 11:54:36
Route: DOSED FEED		CAS Numbe	er: 8013-11-4		First Dose M/F: 06	/26/07 / 06/25/07
Species/Strain: MICE/P53(C57BL/6)					Lab: BAT	
P53+/-(C57BL/6) MICE MALE	0 ppm	100 ppm	300 ppm	1000 ppm	3000 ppm	10,000 ppm
URINARY SYSTEM						
Kidney	(25)	(25)	(25)	(25)	(25)	(25)
Infiltration Cellular, Mononuclear Cell	1 [1.0]					
Inflammation					1 [3.0]	1 [4.0]
Mineralization		4 [1.0]	1 [1.0]		1 [1.0]	
Necrosis					1 [3.0]	
Nephropathy	7 [1.0]	7 [1.0]	7 [1.0]	7 [1.0]	9 [1.0]	8 [1.0]
Cortex, Cyst					1 [1.0]	
Papilla, Necrosis						1 [4.0]
Urinary Bladder	(25)	(25)	(25)	(25)	(25)	(25)
Inflammation					1 [2.0]	1 [2.0]

*** END OF MALE ***

a - Number of animals examined microscopically at site and number of animals with lesion b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

Test Type: 26-39 WEEKS Route: DOSED FEED Species/Strain: MICE/P53(C57BL/6) P53+/-(C57BL/6) MICE FEMALE Disposition Summary Animals Initially In Study Early Deaths Moribund Sacrifice Natural Death Survivors Terminal Sacrifice Animals Examined Microscopically	0 ppm 25 2 23	Senna (p	RITY GRADES[b] owdered) er: 8013-11-4 300 ppm 25 25	1000 ppm 25	Time Report Requ First Dose M/F: 06 Lab: BAT 3000 ppm	6/26/07 / 06/25/07 10,000 ppm
Route: DOSED FEED Species/Strain: MICE/P53(C57BL/6) P53+/-(C57BL/6) MICE FEMALE Disposition Summary Animals Initially In Study Early Deaths Moribund Sacrifice Natural Death Survivors Terminal Sacrifice	25 2 23	CAS Number 100 ppm 25	er: 8013-11-4 300 ppm 25		First Dose M/F: 06 Lab: BAT 3000 ppm	6/26/07 / 06/25/07 10,000 ppm
P53+/-(C57BL/6) MICE FEMALE Disposition Summary Animals Initially In Study Early Deaths Moribund Sacrifice Natural Death Survivors Terminal Sacrifice	25 2 23	25	25		3000 ppm	
Disposition Summary Animals Initially In Study Early Deaths Moribund Sacrifice Natural Death Survivors Terminal Sacrifice	25 2 23	25	25			
Animals Initially In Study Early Deaths Moribund Sacrifice Natural Death Survivors Terminal Sacrifice	2 23			25	25	
Early Deaths Moribund Sacrifice Natural Death Survivors Terminal Sacrifice	2 23			25	25	
Moribund Sacrifice Natural Death Survivors Terminal Sacrifice	23	2	2			25
Terminal Sacrifice			-	2 1	2 1	1
Animais Examined Microscopically	AF	23	23	22	22	24
	25	25	25	25	25	25
ALIMENTARY SYSTEM						
Gallbladder Inflammation	(25)	(25)	(25)	(25)	(25)	(25) 1 [2.0]
Intestine Large, Cecum Epithelium, Hyperplasia	(25)	(25)	(25)	(25)	(25)	(25) 19 [1.3]
Intestine Large, Colon Epithelium, Hyperplasia	(25)	(25)	(25)	(25)	(25) 7 [1.0]	(25) 25 [2.7]
Intestine Large, Rectum Epithelium, Hyperplasia	(25)	(25)	(25)	(25)	(25)	(25) 1 [1.0]
Intestine Small, Duodenum	(25)	(25)	(25)	(24)	(25)	(25)
Intestine Small, Jejunum	(25)	(25)	(25)	(25)	(25)	(25)
Diverticulum Liver	(25)	(25)	1 (25)	1 (25)	(25)	(25)
Basophilic Focus Clear Cell Focus	(23)	(20)	(23)	(23)	(23)	(25) 1 1
Hematopoietic Cell Proliferation Infiltration Cellular, Mixed Cell	1 [1.0]			2 [2.0]	1 [1.0]	1 [1.0]
Inflammation, Chronic Active Mixed Cell Focus	13 [1.0] 1	2 [1.0]	1 [1.0]	5 [1.0]	6 [1.0]	9 [1.0]
Necrosis Necrosis, Focal	1 [1.0]				1 [1.0]	
Tension Lipidosis Pancreas Atrophy	(25)	(25)	(25)	1 (25)	(25)	(25)
Salivary Glands	(25)	(25)	(25)	(25)	1 [1.0] (25)	(25)

TDMS No. 20101 - 02	P18: INCIDENCE RATE	Date Report Requested: 03/11/2010					
Test Type: 26-39 WEEKS		AVERAGE SEVERITY GRADES[b] Senna (powdered)					
Route: DOSED FEED			er: 8013-11-4		First Dose M/F: 06	6/26/07 / 06/25/07	
Species/Strain: MICE/P53(C57BL/6)					Lab: BAT		
P53+/-(C57BL/6) MICE FEMALE	0 ppm	100 ppm	300 ppm	1000 ppm	3000 ppm	10,000 ppm	
Hyperplasia, Lymphoid	1 [1.0]			1 [1.0]		1 [1.0]	
Stomach, Forestomach	(25)	(25)	(25)	(25)	(25)	(25)	
Inflammation			1 [1.0]	(),	()		
Epithelium, Hyperplasia			1 [2.0]				
Stomach, Glandular	(25)	(25)	(25)	(25)	(25)	(25)	
Epithelium, Metaplasia, Squamous				1 [1.0]	1 [1.0]		
Glands, Cyst	1	4 [1.0]	3 [1.0]	2 [1.0]	1 [1.0]		
Tooth	(0)	(1)	(0)	(0)	(0)	(0)	
CARDIOVASCULAR SYSTEM							
Heart	(25)	(25)	(25)	(25)	(25)	(25)	
Cardiomyopathy					2 [1.0]	1 [1.0]	
Embolus Tumor		1					
Infiltration Cellular, Lymphocyte					1 [2.0]		
Epicardium, Inflammation					1 [2.0]		
Valve, Thrombosis				1 [3.0]			
ENDOCRINE SYSTEM							
Adrenal Cortex Hypertrophy	(25)	(25)	(25) 1 [1.0]	(25)	(25)	(25)	
Subcapsular, Hyperplasia	16 [1.3]	2 [1.0]	1 [1.0]	2 [1.0]	1 [2.0]	16 [1.3]	
Adrenal Medulla	(25)	(25)	(25)	(25)	(25)	(25)	
Pituitary Gland	(25)	(25)	(25)	(25)	(25)	(25)	
Pars Distalis, Hyperplasia			1 [1.0]				
Thyroid Gland	(25)	(25)	(25)	(25)	(25)	(25)	
Cyst		1 [2.0]					
GENERAL BODY SYSTEM		·	·	· · · · · · · · · · · · · · · · · · ·			
Peritoneum	(1)	(0)	(0)	(0)	(0)	(0)	

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

b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

TDMS No. 20101 - 02	P18: INCIDENCE RATE	Date Report Requested: 03/11/2010					
Test Type: 26-39 WEEKS		AVERAGE SEVERITY GRADES[b] Senna (powdered)					
Route: DOSED FEED		CAS Numbe	er: 8013-11-4		First Dose M/F: 06	6/26/07 / 06/25/07	
Species/Strain: MICE/P53(C57BL/6)							
P53+/-(C57BL/6) MICE FEMALE	0 ppm	100 ppm	300 ppm	1000 ppm	3000 ppm	10,000 ppm	
GENITAL SYSTEM							
Ovary	(25)	(25)	(25)	(25)	(25)	(25)	
Angiectasis	()	1 [3.0]	()	()	()	()	
Atrophy	3 [1.7]	3 [2.0]	2 [1.5]	3 [1.7]	2 [2.0]	4 [1.0]	
Cyst	1 [1.0]	2 [1.0]	- [3 [1.0]	1 [1.0]	1	
Mineralization	. []	-[]	1 [1.0]	0[1.0]	. []	•	
Pigmentation, Hemosiderin			1 [1.0]				
Uterus	(25)	(25)	(25)	(25)	(25)	(25)	
Endometrium, Hyperplasia, Cystic	15 [1.0]	7 [1.1]	3 [1.0]	5 [1.0]	6 [1.0]	14 [1.1]	
,,,,		. []	- []	- []		[]	
HEMATOPOIETIC SYSTEM							
Bone Marrow	(25)	(25)	(25)	(25)	(25)	(25)	
Hyperplasia	1 [2.0]	1 [3.0]		1 [1.0]		1 [2.0]	
Inflammation		1 [1.0]					
Necrosis					1 [2.0]		
Lymph Node	(2)	(1)	(0)	(0)	(0)	(0)	
Lymph Node, Mandibular	(25)	(25)	(25)	(25)	(25)	(25)	
Atrophy			1 [1.0]	2 [2.0]	1 [2.0]	1 [2.0]	
Hyperplasia, Lymphoid	1 [2.0]						
Infiltration Cellular, Mast Cell		1 [2.0]					
Lymph Node, Mesenteric	(23)	(25)	(25)	(25)	(25)	(25)	
Atrophy	1 [4.0]	1 [1.0]	2 [2.0]	2 [3.0]	2 [2.0]		
Hyperplasia, Lymphoid						1 [1.0]	
Inflammation, Suppurative				1 [3.0]			
Spleen	(25)	(25)	(25)	(25)	(25)	(25)	
Hematopoietic Cell Proliferation	1 [4.0]	1 [3.0]	· · /	1 [1.0]	1 [2.0]		
Lymphoid Follicle, Atrophy	1 [2.0]	1 [2.0]		r .1	L - J		
Lymphoid Follicle, Hyperplasia	L - J	1 [2.0]		2 [2.0]			
Thymus	(24)	(22)	(22)	(22)	(22)	(24)	
Atrophy	3 [1.7]	1 [4.0]	1 [2.0]	1 [1.0]	1 [1.0]	2 [1.0]	
Hyperplasia, Lymphoid	1 [2.0]	. []	. []	. [•]	. [•]	-[]	
Medulla, Hyperplasia, Lymphoid	4 [1.3]	3 [1.0]	3 [1.3]	6 [1.5]	5 [1.2]	4 [1.0]	

TDMS No. 20101 - 02	P18: INCIDENCE RAT	Date Report Requested: 03/11/2010				
Test Type: 26-39 WEEKS		Time Report Requ	iested: 11:54:36			
Route: DOSED FEED Species/Strain: MICE/P53(C57BL/6)		First Dose M/F: 06/26/07 / 06/25/07 Lab: BAT				
P53+/-(C57BL/6) MICE FEMALE	0 ppm	100 ppm	300 ppm	1000 ppm	3000 ppm	10,000 ppm
INTEGUMENTARY SYSTEM						
Mammary Gland Duct, Ectasia	(25) 1 [2.0]	(25)	(25)	(25)	(25) 1 [2.0]	(25) 1 [1.0]
MUSCULOSKELETAL SYSTEM						
Bone	(25)	(25)	(25)	(25)	(25)	(25)
Callus	1					
Fibro-Osseous Lesion		2		2	1	1
NERVOUS SYSTEM						
Brain	(25)	(25)	(25)	(25)	(25)	(25)
Peripheral Nerve	(1)	(0)	(1)	(1)	(1)	(0)
Degeneration	1 [3.0]					
Spinal Cord	(1)	(0)	(2)	(2)	(1)	(1)
Degeneration	4 70 01		2 [2.5]	2 [3.5]		1 [4.0]
Nerve, Degeneration	1 [3.0]					
RESPIRATORY SYSTEM						-
Lung	(25)	(25)	(25)	(25)	(25)	(25)
Alveolar Epithelium, Hyperplasia	1 [1.0]	. /	. ,		. /	
Artery, Infiltration Cellular, Mixed Cell		1 [3.0]				
Serosa, Inflammation					1 [2.0]	
Nose	(25)	(25)	(25)	(25)	(25)	(25)
Inflammation	1 [1.0]	1 [1.0]	1 [1.0]	2 [1.0]		1 [1.0]
Inflammation, Suppurative				1 [2.0]		
Glands, Olfactory Epithelium, Dilatation		0.14.01	1 [1.0]		4.54.63	
Glands, Respiratory Epithelium, Hyperplasia	1 [1.0]	6 [1.0]	4 [1.0]	4 [1.0]	4 [1.0]	4 [4 0]
Olfactory Epithelium, Degeneration Septum, Hyalinization	17 [4 6]	2 [4 5]	2 [4 7]	2 [4 0]	2 [4 2]	1 [1.0]
	17 [1.6]	2 [1.5]	3 [1.7]	2 [1.0]	3 [1.3]	15 [1.9]

a - Number of animals examined microscopically at site and number of animals with lesion b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

TDMS No. 20101 - 02	P18: INCIDENCE RAT	Date Report Requested: 03/11/2010				
Test Type: 26-39 WEEKS		AVERAGE SEVERITY GRADES[b] Senna (powdered)				
Route: DOSED FEED			er: 8013-11-4		First Dose M/F: 06	/26/07 / 06/25/07
Species/Strain: MICE/P53(C57BL/6)					Lab: BAT	
P53+/-(C57BL/6) MICE FEMALE	0 ppm	100 ppm	300 ppm	1000 ppm	3000 ppm	10,000 ppm
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
Kidney	(25)	(25)	(25)	(25)	(25)	(25)
Hyperplasia, Lymphoid						1 [1.0]
Mineralization	1 [1.0]		1 [1.0]			
Nephropathy	3 [1.0]	6 [1.0]	5 [1.0]	4 [1.0]	9 [1.0]	2 [1.0]
Urinary Bladder	(25)	(25)	(25)	(25)	(25)	(25)
Infiltration Cellular, Lymphocyte		1 [2.0]	3 [2.0]	2 [2.0]		
Inflammation			1 [1.0]			
Transitional Epithelium, Vacuolization Cytoplasmic					1 [2.0]	

*** END OF REPORT ***

a - Number of animals examined microscopically at site and number of animals with lesion b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)