2-year Core Mice_Final 1

NTP Study Number:	C00058B		
Lock Date:	10/02/2018		
Cage Range:	ALL		
Date Range:	ALL		
Reasons For Removal:	25022 ACCK	25021 TSAC	25020 NATD
	25019 MSAC		
Removal Date Range:	ALL		
Treatment Groups:	Include ALL		
Study Gender:	Female		
TDMSE Version:	3.0.2.3_002		
PWG Approval Date:	NONE		

B6C3F1/N MICE FEMALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg	1000 mg/kg
Disposition Summary					
Animals Initially In Study	**70**	**70**	**70**	**70**	**70**
Early Deaths					
Accidentally Killed				**1**	
Moribund Sacrifice	**4**	**2**	**3**	**3**	**6**
Natural Death	**6**	**8**	**3**	**7**	**6**
Survivors					
Natural Death		**1**			
Terminal Sacrifice	**40**	**39**	**44**	**39**	**38**
Animals Examined Microscopically	**50**	**50**	**50**	**50**	**50**
ALIMENTARY SYSTEM					
Esophagus	(50)	(50)	(50)	(50)	(50)
Gallbladder	(46)	(50)	(50)	(49)	(50)
Intestine Large, Cecum	(50)	(50)	(50)	(50)	(50)
Intestine Large, Colon	(50)	(50)	(50)	(50)	(50)
Inflammation, Acute	1 [2.0]				
Ulcer	1 [2.0]				
Intestine Large, Rectum	(50)	(50)	(50)	(50)	(50)
Intestine Small, Duodenum	(50)	(50)	(50)	(50)	(50)
Perforation			1		
Polyarteritis Nodosa	1 [2.0]				
Ulcer			1 [4.0]		
Intestine Small, Ileum	(50)	(50)	(50)	(50)	(50)
Intestine Small, Jejunum	(50)	(50)	(50)	(50)	(50)
Epithelium, Hyperplasia	1 [2.0]		2 [1.5]		
Peyer's Patch, Hyperplasia, Lymphocyte	4 [3.3]	5 [2.2]	3 [3.3]	2 [2.0]	4 [2.3]
Peyer's Patch, Inflammation, Chronic Active					1 [2.0]
Liver	(50)	(50)	(50)	(50)	(50)
Amyloid			1		
Angiectasis	1 [1.0]				1 [2.0]
Basophilic Focus	6	1			
Clear Cell Focus	3	1	3	1	4
Eosinophilic Focus	7	5	2	1	4

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

B6C3F1/N MICE FEMALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg	1000 mg/kg
Extramedullary Hematopoiesis			1 [2.0]	1 [1.0]	2 [1.0]
Fatty Change	2 [1.0]		1 [1.0]		1 [1.0]
Hemorrhage					1 [1.0]
Hepatodiaphragmatic Nodule					1
Infiltration Cellular, Lymphocyte			3 [1.7]		
Inflammation, Chronic Active		1 [1.0]	1 [1.0]		
Intrahepatocellular Erythrocytes	2	1	1	2	
Mixed Cell Focus			3		1
Necrosis	2 [1.0]		1 [1.0]	1 [1.0]	8 [1.1]
Pigment	1 [1.0]				
Tension Lipidosis	2 [1.5]	2 [1.0]	4 [1.0]	1 [2.0]	
Bile Duct, Cyst	1				
Hepatocyte, Atrophy	1 [2.0]		1 [2.0]		
Mesentery	(6)	(2)	(0)	(2)	(1)
Inflammation, Granulomatous	1 [2.0]				
Fat, Necrosis	4 [3.0]	1 [2.0]			
Pancreas	(50)	(50)	(50)	(49)	(50)
Infiltration Cellular, Adipocyte		1 [2.0]			
Acinar Cell, Vacuolation, Cytoplasmic	1 [1.0]				
Acinus, Atrophy	3 [2.3]	1 [2.0]	1 [1.0]	1 [2.0]	
Acinus, Hypertrophy		1 [1.0]			
Duct, Cyst				1	
Salivary Glands	(50)	(50)	(50)	(50)	(50)
Atrophy		1 [3.0]			
Infiltration Cellular, Lymphocyte			1 [2.0]		
Polyarteritis Nodosa	1 [2.0]				1 [1.0]
Duct, Hyperplasia					1 [4.0]
Stomach, Forestomach	(50)	(50)	(50)	(50)	(50)
Diverticulum	1				
Ulcer		1 [2.0]			
Epithelium, Hyperplasia, Focal		2 [2.5]	1 [1.0]		
Stomach, Glandular	(50)	(50)	(50)	(50)	(50)
Mineral	1	1	1	1	1
Polyarteritis Nodosa	1 [2.0]				
Epithelium, Hyperplasia		1 [3.0]			
Tongue	(0)	(0)	(1)	(0)	(0)

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B6C3F1/N MICE FEMALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg	1000 mg/kg
Tooth	(0)	(3)	(0)	(2)	(0)
Inflammation, Acute				1 [2.0]	
Necrosis		1 [1.0]		1 [1.0]	
CARDIOVASCULAR SYSTEM					
Aorta	(1)	(0)	(0)	(0)	(1)
Polyarteritis Nodosa	1 [2.0]				
Blood Vessel	(50)	(48)	(49)	(49)	(49)
Infiltration Cellular, Lymphocyte		1 [2.0]			
Heart	(50)	(50)	(50)	(50)	(50)
Cardiomyopathy	8 [1.0]	5 [1.2]	8 [1.0]	11 [1.1]	12 [1.0]
Mineral	1				
Polyarteritis Nodosa	2 [1.5]				
Valve, Degeneration, Myxomatous	1 [1.0]				
Valve, Inflammation, Acute	1 [4.0]				
Valve, Inflammation, Chronic Active					1 [3.0]
ENDOCRINE SYSTEM					
Adrenal Cortex	(50)	(50)	(50)	(50)	(50)
Hyperplasia, Focal	1 [1.0]				
Hypertrophy, Focal	1 [1.0]			1 [1.0]	1 [1.0]
Infiltration Cellular, Lymphocyte		1 [2.0]			
Vacuolation, Cytoplasmic, Focal				1 [1.0]	
Bilateral, Vacuolation, Cytoplasmic, Focal	2 [2.5]				
Subcapsular, Hyperplasia			1 [1.0]		
Adrenal Medulla	(50)	(50)	(50)	(50)	(50)
Hyperplasia, Focal	1 [1.0]				1 [1.0]
Islets, Pancreatic	(50)	(50)	(50)	(50)	(50)
Atrophy				1 [3.0]	
Hyperplasia	7 [1.6]		3 [1.0]		1 [1.0]
Parathyroid Gland	(41)	(45)	(42)	(41)	(42)
Pituitary Gland	(49)	(49)	(50)	(50)	(50)
Hemorrhage				1 [1.0]	

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B6C3F1/N MICE FEMALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg	1000 mg/kg
Pars Distalis, Atypia Cellular	1 [1.0]				
Pars Distalis, Hyperplasia, Focal	8 [1.4]	8 [1.9]	10 [1.4]	7 [1.0]	8 [1.6]
Pars Distalis, Hypertrophy	2 [1.0]	1 [1.0]		3 [1.0]	4 [1.0]
Pars Intermedia, Hyperplasia, Focal	1 [1.0]				
Thyroid Gland	(50)	(50)	(49)	(49)	(50)
Cyst, Congenital					1
Infiltration Cellular, Lymphocyte		1 [1.0]			
Bilateral, Follicle, Dilation					1 [1.0]
Follicle, Dilation		1 [2.0]	1 [1.0]	1 [1.0]	5 [1.4]
Follicular Cell, Hyperplasia			1 [2.0]		
GENERAL BODY SYSTEM					
Peritoneum	(0)	(0)	(0)	(1)	(0)
Tissue NOS	(0)	(0)	(1)	(0)	(0)
Fat, Necrosis			1 [4.0]		
GENITAL SYSTEM					
Clitoral Gland	(50)	(49)	(50)	(50)	(49)
Ovary	(49)	(50)	(50)	(50)	(50)
Angiectasis			2 [2.5]		1 [1.0]
Atrophy	35 [3.1]	38 [3.4]	34 [2.6]	39 [3.2]	30 [2.6]
Cyst, Epithelial, Multiple		2	1		
Cyst, Epithelial	3	4	2	3	6
Fatty Change			1 [2.0]		
Hemorrhage			1 [3.0]	1 [3.0]	
Infiltration Cellular, Lymphocyte	2 [2.0]		1 [2.0]		
Pigment			1 [1.0]		
Polyarteritis Nodosa					1 [1.0]
Thrombus	1	1	1		1
Bilateral, Follicle, Cyst			1		1
Bursa, Cyst			2		1
Follicle, Cyst	10	3	4	5	8
Follicle, Cyst, Multiple		1			

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B6C3F1/N MICE FEMALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg	1000 mg/kg
Germinal Epithelium, Hyperplasia	1 [2.0]		1 [2.0]		1 [1.0]
Interstitial Cell, Hyperplasia		1 [2.0]	3 [2.0]	2 [1.5]	1 [2.0]
Paraovarian Tissue, Cyst				1	
Rete Ovarii, Cyst	1			2	1
Uterus	(50)	(50)	(50)	(50)	(50)
Adenomyosis		1 [2.0]			
Angiectasis	2 [2.0]	2 [2.0]	1 [1.0]		3 [2.0]
Dilation		1 [2.0]			
Hemorrhage					1 [2.0]
Inflammation, Acute	5 [1.8]	1 [2.0]	2 [1.5]	5 [1.4]	
Polyarteritis Nodosa					1 [1.0]
Thrombus				2	
Endometrium, Hyperplasia, Cystic	41 [2.2]	31 [1.9]	45 [1.9]	41 [2.1]	45 [2.3]
Endometrium, Metaplasia, Squamous	2 [1.0]			1 [1.0]	1 [1.0]
Vagina	(50)	(50)	(49)	(49)	(50)
Congestion					1 [3.0]
Inflammation, Acute	21 [1.2]	6 [1.0]	8 [1.4]	6 [1.0]	3 [1.3]
Polyarteritis Nodosa					1 [1.0]
Epithelium, Hyperplasia, Cystic		1 [2.0]			
Epithelium, Hyperplasia, Squamous	31 [2.1]	38 [1.9]	41 [2.1]	37 [2.0]	33 [2.4]
HEMATOPOIETIC SYSTEM					
Bone Marrow	(50)	(50)	(50)	(50)	(50)
Angiectasis					1 [3.0]
Fibrosis				1 [1.0]	
Hypercellularity	1 [2.0]	2 [1.5]	5 [2.8]	5 [1.8]	3 [3.0]
Necrosis			1 [4.0]		
Lymph Node	(6)	(1)	(2)	(5)	(7)
Lumbar, Angiectasis			1 [3.0]		
Lumbar, Hyperplasia, Lymphocyte					1 [4.0]
Lymph Node, Mandibular	(50)	(49)	(50)	(50)	(50)
Atrophy	1 [2.0]	1 [3.0]		1 [3.0]	
Hyperplasia, Lymphocyte		4 [3.3]	5 [2.0]		7 [2.6]
Infiltration Cellular, Plasma Cell			1 [2.0]	1 [3.0]	1 [4.0]

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B6C3F1/N MICE FEMALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg	1000 mg/kg
Pigment		2 [1.0]			
Sinus, Infiltration Cellular, Neutrophil			1 [2.0]		
Lymph Node, Mesenteric	(50)	(49)	(50)	(49)	(50)
Angiectasis			1 [2.0]		
Atrophy	1 [2.0]		1 [2.0]	1 [2.0]	1 [4.0]
Extramedullary Hematopoiesis	1 [1.0]	1 [2.0]	1 [2.0]	1 [1.0]	
Hemorrhage	1 [1.0]				
Hyperplasia, Lymphocyte	11 [2.5]	10 [2.3]	11 [2.4]	4 [3.0]	7 [2.4]
Infiltration Cellular, Histiocyte				1 [2.0]	1 [4.0]
Infiltration Cellular, Plasma Cell	1 [2.0]		1 [2.0]	3 [2.3]	
Inflammation, Chronic Active					1 [2.0]
Spleen	(50)	(50)	(50)	(50)	(50)
Extramedullary Hematopoiesis, Increased	17	21	22	14	11
Hyperplasia, Lymphocyte	10 [1.9]	18 [2.5]	10 [2.0]	14 [2.3]	7 [1.7]
Pigment	2 [1.0]	2 [1.0]			1 [1.0]
White Pulp, Atrophy	2 [2.0]	4 [3.8]	3 [3.3]	5 [3.2]	2 [4.0]
Thymus	(48)	(46)	(48)	(49)	(46)
Hyperplasia, Epithelial			1 [4.0]		
INTEGUMENTARY SYSTEM					
Mammary Gland	(50)	(50)	(50)	(47)	(50)
Galactocele					1
Duct, Hyperplasia			1 [1.0]		
Epithelium, Hyperplasia		1 [2.0]	1 [1.0]		1 [1.0]
Skin	(50)	(50)	(50)	(50)	(50)
Erosion				1 [2.0]	
Infiltration Cellular, Lymphocyte		1 [2.0]			
Ulcer			2 [3.0]		2 [3.5]
Epidermis, Hyperplasia				1 [3.0]	
Subcutaneous Tissue, Fibrosis	1 [2.0]				
MUSCULOSKELETAL SYSTEM					
Bone	(50)	(50)	(50)	(50)	(50)

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B6C3F1/N MICE FEMALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg	1000 mg/kg
Fibro-Osseous Lesion	8 [1.3]	3 [2.0]	2 [2.5]	2 [1.5]	7 [1.1]
Increased Bone			1		1
Joint, Degeneration			1 [3.0]	3 [2.3]	
Skeletal Muscle	(1)	(2)	(0)	(1)	(1)
NERVOUS SYSTEM					
Brain	(50)	(50)	(50)	(50)	(50)
Gliosis					1 [2.0]
Hemorrhage				1 [2.0]	
Hydrocephalus			2		1
Infiltration Cellular, Lymphocyte		2 [1.5]			1 [2.0]
Inflammation, Chronic Active	1 [1.0]				
Necrosis			1 [2.0]		
Polyarteritis Nodosa	2 [1.5]			1 [2.0]	3 [1.7]
Medulla, Necrosis	1 [1.0]				
Peripheral Nerve	(2)	(0)	(0)	(1)	(1)
Axon, Sciatic, Degeneration					1 [2.0]
Spinal Cord	(2)	(0)	(0)	(1)	(1)
Polyarteritis Nodosa				1 [1.0]	
Axon, Degeneration	1 [1.0]			1 [1.0]	1 [1.0]
RESPIRATORY SYSTEM					
Lung	(50)	(50)	(50)	(50)	(50)
Hemorrhage	1 [2.0]	1 [3.0]	1 [1.0]		
Infiltration Cellular, Histiocyte	1 [2.0]			1 [2.0]	
Infiltration Cellular, Lymphocyte		3 [2.0]	1 [2.0]		
Inflammation, Chronic Active					1 [1.0]
Pigment		1 [1.0]			
Polyarteritis Nodosa				1 [1.0]	
Alveolus, Epithelium, Hyperplasia	2 [2.5]	2 [1.0]	2 [1.5]	1 [3.0]	1 [3.0]
Nose	(50)	(50)	(50)	(50)	(50)
Olfactory Epithelium, Accumulation, Hyaline Droplet			1 [2.0]		

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Olfactory Epithelium, Atrophy	1 [1.0]		1 [3.0]		3 [1.3]
Olfactory Epithelium, Metaplasia, Respiratory	4 [1.0]	7 [1.0]	5 [1.0]	7 [1.0]	3 [1.0]
Respiratory Epithelium, Accumulation, Hyaline Droplet	13 [1.2]	14 [1.1]	15 [1.3]	13 [1.2]	10 [1.3]
Respiratory Epithelium, Hyperplasia	17 [1.0]	19 [1.0]	9 [1.0]	13 [1.0]	18 [1.1]
Respiratory Epithelium, Inflammation, Acute	2 [1.0]	1 [1.0]	1 [1.0]		1 [2.0]
Respiratory Epithelium, Inflammation, Chronic				1 [1.0]	
Respiratory Epithelium, Inflammation, Chronic Active	1 [1.0]		1 [1.0]	1 [1.0]	
Trachea	(50)	(50)	(50)	(50)	(50)
SPECIAL SENSES SYSTEM					
Ear	(0)	(0)	(0)	(0)	(1)
Eye	(50)	(50)	(50)	(50)	(50)
Phthisis Bulbi	1	2			
Anterior Chamber, Inflammation, Acute		1 [2.0]		1 [2.0]	
Ciliary Body, Inflammation, Acute		1 [2.0]		1 [2.0]	
Cornea, Inflammation, Acute		1 [2.0]		1 [2.0]	
Cornea, Inflammation, Chronic Active	1 [1.0]				
Lens, Cataract	3 [1.3]				1 [1.0]
Harderian Gland	(50)	(50)	(50)	(50)	(50)
Fibrosis	1 [4.0]				
Hyperplasia	1 [4.0]		3 [2.7]	4 [1.8]	3 [2.3]
URINARY SYSTEM					
Kidney	(50)	(50)	(50)	(50)	(50)
Glomerulosclerosis					1 [1.0]
Infarct, Chronic	3 [1.0]	2 [1.5]			
Infiltration Cellular, Lymphocyte	1 [1.0]	2 [2.0]	1 [2.0]	1 [2.0]	1 [2.0]
Nephropathy, Chronic Progressive	13 [1.2]	14 [1.1]	10 [1.3]	20 [1.1]	17 [1.4]
Polyarteritis Nodosa	1 [1.0]				
Glomerulus, Amyloid				1	
Glomerulus, Cyst		1			

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Renal Tubule, Accumulation, Hyaline Droplet		3 [2.0]	1 [2.0]		
Renal Tubule, Cyst	2			1	
Urinary Bladder	(50)	(50)	(50)	(50)	(49)
Fibrosis				1 [4.0]	
Infiltration Cellular, Lymphocyte	2 [1.0]		1 [2.0]		
Polyarteritis Nodosa	1				
Ulcer				1 [4.0]	

*** END OF REPORT ***

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