F1_53 Wk. SSAC_M3

NTP Study Number:	C20601
Lock Date:	06/22/2011
Cage Range:	ALL
Date Range:	ALL
Reasons For Removal:	25017 SSAC
Removal Date Range:	ALL
Treatment Groups:	Include ALL
Study Gender:	Both
TDMSE Version:	3.0.2.2_002
PWG Approval Date:	NONE

B6C3F1 MICE MALE	Control	3 mg/m3	10 mg/m3	30 mg/m3
Disposition Summary				
Animals Initially In Study	**60**	**60**	**60**	**60**
Scheduled Sacrifice	**10**	**10**	**10**	**10**
Early Deaths				
Survivors				
Animals Examined Microscopically	**10**	**10**	**10**	**10**
ALIMENTARY SYSTEM				
Esophagus	(10)	(10)	(10)	(10)
Gallbladder	(8)	(10)	(9)	(9)
Intestine Large, Cecum	(10)	(10)	(10)	(10)
Intestine Large, Colon	(10)	(10)	(10)	(10)
Intestine Large, Rectum	(10)	(10)	(10)	(10)
Intestine Small, Duodenum	(10)	(10)	(10)	(10)
Intestine Small, Ileum	(10)	(10)	(10)	(10)
Intestine Small, Jejunum	(10)	(10)	(10)	(10)
Liver	(10)	(10)	(10)	(10)
Basophilic Focus		1 (10%)		
Clear Cell Focus	2 (20%)	2 (20%)	2 (20%)	
Mesentery	(0)	(0)	(0)	(1)
Necrosis, Fatty				1 (100%)
Pancreas	(10)	(10)	(10)	(10)
Salivary Glands	(10)	(10)	(10)	(10)
Stomach, Forestomach	(10)	(10)	(10)	(10)
Stomach, Glandular	(10)	(9)	(10)	(10)
Tooth	(1)	(0)	(0)	(0)
Malformation	1 (100%)			
CARDIOVASCULAR SYSTEM				
Blood Vessel	(10)	(10)	(10)	(10)
Heart	(10)	(10)	(10)	(10)
Cardiomyopathy				1 (10%)

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

B6C3F1 MICE MALE	Control	3 mg/m3	10 mg/m3	30 mg/m3
ENDOCRINE SYSTEM				
Adrenal Cortex	(10)	(10)	(10)	(10)
Zona Fasciculata, Hypertrophy	3 (30%)	1 (10%)		1 (10%)
Adrenal Medulla	(10)	(10)	(10)	(10)
Islets, Pancreatic	(10)	(10)	(10)	(10)
Parathyroid Gland	(6)	(7)	(5)	(8)
Pituitary Gland	(10)	(10)	(10)	(9)
Thyroid Gland	(10)	(10)	(10)	(10)
GENERAL BODY SYSTEM				
None				
GENITAL SYSTEM				
Epididymis	(10)	(10)	(10)	(10)
Preputial Gland	(10)	(10)	(10)	(10)
Inflammation, Chronic Active	1 (10%)			
Prostate	(10)	(10)	(10)	(10)
Seminal Vesicle	(10)	(10)	(10)	(10)
Testes	(10)	(10)	(10)	(10)
HEMATOPOIETIC SYSTEM				
Bone Marrow	(10)	(10)	(10)	(10)
Lymph Node, Bronchial	(8)	(10)	(10)	(10)
Foreign Body		10 (100%)	10 (100%)	10 (100%)
Hyperplasia, Lymphoid		7 (70%)	9 (90%)	10 (100%)
Infiltration Cellular, Histiocyte		4 (40%)	4 (40%)	1 (10%)
Lymph Node, Mandibular	(5)	(4)	(4)	(4)
Infiltration Cellular, Histiocyte				2 (50%)

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

B6C3F1 MICE MALE	Control	3 mg/m3	10 mg/m3	30 mg/m3
Lymph Node, Mediastinal	(4)	(8)	(10)	(10)
Foreign Body		1 (13%)	8 (80%)	10 (100%)
Hyperplasia, Lymphoid		1 (13%)	4 (40%)	9 (90%)
Infiltration Cellular, Histiocyte		1 (13%)	3 (30%)	4 (40%)
Lymph Node, Mesenteric	(10)	(10)	(10)	(10)
Spleen	(10)	(10)	(10)	(10)
Thymus	(10)	(10)	(10)	(10)
Inflammation, Chronic Active				1 (10%)
Medulla, Hyperplasia, Lymphoid		1 (10%)	1 (10%)	
INTEGUMENTARY SYSTEM				
Skin	(10)	(10)	(10)	(10)
MUSCULOSKELETAL SYSTEM				
Bone	(10)	(10)	(10)	(10)
NERVOUS SYSTEM				
Brain	(10)	(10)	(10)	(10)
RESPIRATORY SYSTEM				
Larynx	(10)	(10)	(10)	(10)
Foreign Body		3 (30%)	5 (50%)	10 (100%)
Respiratory Epithelium, Degeneration			1 (10%)	
Respiratory Epithelium, Hyperplasia		1 (10%)	4 (40%)	6 (60%)
Respiratory Epithelium, Metaplasia, Squamous			2 (20%)	3 (30%)
Lung	(10)	(10)	(10)	(10)
Foreign Body		10 (100%)	10 (100%)	10 (100%)
Infiltration Cellular, Lymphocyte		10 (100%)	10 (100%)	10 (100%)
Inflammation, Chronic Active		10 (100%)	10 (100%)	10 (100%)

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

B6C3F1 MICE MALE	Control	3 mg/m3	10 mg/m3	30 mg/m3
Alveolar Epithelium, Hyperplasia		9 (90%)	10 (100%)	10 (100%)
Alveolar Epithelium, Metaplasia, Squamous				1 (10%)
Alveolus, Fibrosis		4 (40%)	7 (70%)	10 (100%)
Bronchiole, Epithelium, Hyperplasia		9 (90%)	9 (90%)	9 (90%)
Pleura, Fibrosis		5 (50%)	10 (100%)	10 (100%)
Pleura, Inflammation		7 (70%)	10 (100%)	10 (100%)
Nose	(10)	(10)	(10)	(10)
Foreign Body		8 (80%)	10 (100%)	9 (90%)
Inflammation, Acute			1 (10%)	
Respiratory Epithelium, Accumulation, Hyaline Droplet	1 (10%)			1 (10%)
Respiratory Epithelium, Inflammation, Chronic Active	1 (10%)			
Trachea	(10)	(10)	(10)	(10)
Foreign Body			2 (20%)	4 (40%)
Epithelium, Hyperplasia			1 (10%)	
Epithelium, Metaplasia, Squamous		1 (10%)		1 (10%)
SPECIAL SENSES SYSTEM				
Eye	(10)	(10)	(10)	(10)
Harderian Gland	(10)	(10)	(10)	(10)
Hyperplasia				1 (10%)
URINARY SYSTEM				
Kidney	(10)	(10)	(10)	(10)
Nephropathy	2 (20%)	3 (30%)	4 (40%)	2 (20%)
Glomerulus, Hyalinization				1 (10%)
Papilla, Necrosis	1 (10%)			
Urinary Bladder	(10)	(10)	(10)	(10)

*** END OF MALE ***

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B6C3F1 MICE FEMALE	Control	3 mg/m3	10 mg/m3	30 mg/m3
Disposition Summary				
Animals Initially In Study	**60**	**60**	**60**	**60**
Scheduled Sacrifice	**10**	**10**	**10**	**10**
Early Deaths				
Survivors				
Animals Examined Microscopically	**10**	**10**	**10**	**10**
ALIMENTARY SYSTEM				
Esophagus	(10)	(10)	(10)	(10)
Gallbladder	(10)	(10)	(10)	(10)
Intestine Large, Cecum	(10)	(10)	(10)	(10)
Intestine Large, Colon	(10)	(10)	(10)	(10)
Intestine Large, Rectum	(10)	(10)	(10)	(10)
Intestine Small, Duodenum	(10)	(10)	(10)	(10)
Intestine Small, Ileum	(10)	(10)	(10)	(10)
Intestine Small, Jejunum	(10)	(10)	(10)	(10)
Liver	(10)	(10)	(10)	(10)
Basophilic Focus		1 (10%)		
Clear Cell Focus			1 (10%)	
Pancreas	(10)	(10)	(10)	(10)
Atrophy			1 (10%)	
Salivary Glands	(10)	(10)	(10)	(10)
Stomach, Forestomach	(10)	(10)	(10)	(10)
Stomach, Glandular	(10)	(10)	(10)	(10)
Tooth	(1)	(0)	(0)	(0)
Dysplasia	1 (100%)			
CARDIOVASCULAR SYSTEM				
Blood Vessel	(10)	(9)	(10)	(10)
Adventitia, Inflammation, Chronic Active	1 (10%)			
Heart	(10)	(10)	(10)	(10)
Cardiomyopathy		1 (10%)		

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B6C3F1 MICE FEMALE	Control	3 mg/m3	10 mg/m3	30 mg/m3
Artery, Inflammation, Chronic Active			1 (10%)	
ENDOCRINE SYSTEM				
Adrenal Cortex	(10)	(10)	(10)	(10)
Adrenal Medulla	(10)	(10)	(10)	(10)
Islets, Pancreatic	(10)	(10)	(10)	(10)
Parathyroid Gland	(8)	(9)	(6)	(8)
Pituitary Gland	(10)	(10)	(10)	(10)
Thyroid Gland	(10)	(9)	(10)	(10)
GENERAL BODY SYSTEM				
None				
GENITAL SYSTEM				
Clitoral Gland	(10)	(9)	(7)	(7)
Ovary	(10)	(10)	(10)	(10)
Follicle, Cyst	1 (10%)		1 (10%)	1 (10%)
Uterus	(10)	(10)	(10)	(10)
Endometrium, Hyperplasia, Cystic	7 (70%)	9 (90%)	10 (100%)	9 (90%)
HEMATOPOIETIC SYSTEM				
Bone Marrow	(10)	(10)	(10)	(10)
Lymph Node, Bronchial	(5)	(10)	(9)	(10)
Foreign Body		10 (100%)	9 (100%)	10 (100%)
Hyperplasia, Lymphoid		6 (60%)	9 (100%)	10 (100%)
Infiltration Cellular, Histiocyte		1 (10%)	6 (67%)	4 (40%)
Lymph Node, Mandibular	(6)	(8)	(7)	(8)
Lymph Node, Mediastinal	(4)	(7)	(8)	(10)
Foreign Body		2 (29%)	2 (25%)	9 (90%)

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B6C3F1 MICE FEMALE	Control	3 mg/m3	10 mg/m3	30 mg/m3
Hyperplasia, Lymphoid		1 (14%)	4 (50%)	4 (40%)
Infiltration Cellular, Histiocyte			2 (25%)	3 (30%)
Lymph Node, Mesenteric	(9)	(10)	(10)	(10)
Spleen	(10)	(10)	(10)	(10)
Hematopoietic Cell Proliferation			3 (30%)	2 (20%)
Hyperplasia, Lymphoid		4 (40%)	6 (60%)	5 (50%)
Thymus	(10)	(9)	(10)	(9)
Medulla, Hyperplasia, Lymphoid	1 (10%)	4 (44%)	4 (40%)	3 (33%)
INTEGUMENTARY SYSTEM				
Mammary Gland	(9)	(10)	(10)	(10)
Skin	(10)	(10)	(10)	(10)
Dermis, Infiltration Cellular, Mixed Cell	2 (20%)	1 (10%)		2 (20%)
MUSCULOSKELETAL SYSTEM				
Bone	(10)	(10)	(10)	(10)
Femur, Fibro-Osseous Lesion	1 (10%)		1 (10%)	
NERVOUS SYSTEM				
Brain	(10)	(10)	(10)	(10)
RESPIRATORY SYSTEM				
Larynx	(10)	(9)	(10)	(10)
Foreign Body		2 (22%)	7 (70%)	7 (70%)
Respiratory Epithelium, Hyperplasia		1 (11%)	4 (40%)	
Respiratory Epithelium, Metaplasia, Squamous	1 (10%)		1 (10%)	8 (80%)
Lung	(10)	(10)	(10)	(10)
Foreign Body		10 (100%)	10 (100%)	10 (100%)
Infiltration Cellular, Lymphocyte	3 (30%)	10 (100%)	10 (100%)	9 (90%)

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B6C3F1 MICE FEMALE	Control	3 mg/m3	10 mg/m3	30 mg/m3
Inflammation, Chronic Active		10 (100%)	10 (100%)	10 (100%)
Alveolar Epithelium, Hyperplasia		8 (80%)	10 (100%)	10 (100%)
Alveolus, Fibrosis		2 (20%)	6 (60%)	10 (100%)
Bronchiole, Epithelium, Hyperplasia		5 (50%)	10 (100%)	10 (100%)
Pleura, Fibrosis		6 (60%)	9 (90%)	10 (100%)
Pleura, Inflammation		7 (70%)	10 (100%)	10 (100%)
Nose	(10)	(10)	(10)	(10)
Foreign Body		6 (60%)	9 (90%)	10 (100%)
Inflammation, Acute			1 (10%)	
Olfactory Epithelium, Accumulation, Hyaline Droplet	1 (10%)			
Olfactory Epithelium, Metaplasia, Respiratory				1 (10%)
Respiratory Epithelium, Accumulation, Hyaline Droplet	6 (60%)	4 (40%)	3 (30%)	
Respiratory Epithelium, Inflammation, Acute	1 (10%)			
Trachea	(10)	(10)	(10)	(10)
Foreign Body			2 (20%)	4 (40%)
Inflammation, Chronic Active		1 (10%)		
SPECIAL SENSES SYSTEM				
Eye	(10)	(10)	(10)	(10)
Harderian Gland	(10)	(10)	(10)	(10)
Hyperplasia	1 (10%)			
URINARY SYSTEM				
Kidney	(10)	(10)	(10)	(10)
Nephropathy	2 (20%)		1 (10%)	1 (10%)
Urinary Bladder	(10)	(10)	(10)	(10)

*** END OF REPORT ***

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