F1_53 Wk. SSAC_RE

NTP Study Number:	C20601
Lock Date:	06/13/2011
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

Wistar Han RATS 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)
Intestine Large, Cecum	(10)	(10)	(10)	(10)
Intestine Large, Colon	(10)	(10)	(10)	(10)
Intestine Large, Rectum	(10)	(9)	(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)
Pancreas	(10)	(10)	(10)	(10)
Salivary Glands	(10)	(10)	(10)	(10)
Stomach, Forestomach	(10)	(10)	(10)	(10)
Stomach, Glandular	(10)	(10)	(10)	(10)
CARDIOVASCULAR SYSTEM				
Blood Vessel	(10)	(10)	(10)	(10)
Heart	(10)	(10)	(10)	(10)
ENDOCRINE SYSTEM				
Adrenal Cortex	(10)	(10)	(10)	(10)
Adrenal Medulla	(10)	(10)	(9)	(10)
Islets, Pancreatic	(10)	(10)	(10)	(10)
Parathyroid Gland	(10)	(10)	(9)	(8)
Pituitary Gland	(10)	(10)	(10)	(10)

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

Wistar Han RATS MALE	Control	3 mg/m3	10 mg/m3	30 mg/m3
Thyroid Gland	(10)	(10)	(10)	(10)
GENERAL BODY SYSTEM				
None				
GENITAL SYSTEM				
Epididymis	(10)	(10)	(10)	(10)
Preputial Gland	(10)	(10)	(10)	(9)
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	(9)	(8)	(10)	(10)
Lymph Node, Mandibular	(10)	(9)	(9)	(8)
Lymph Node, Mediastinal	(10)	(8)	(10)	(9)
Lymph Node, Mesenteric	(10)	(10)	(10)	(10)
Hemangiosarcoma				1 (10%)
Spleen	(10)	(10)	(10)	(10)
Thymus	(10)	(10)	(10)	(10)
INTEGUMENTARY SYSTEM				
Mammary Gland	(4)	(1)	(1)	(3)
Skin	(10)	(10)	(10)	(10)
MUSCULOSKELETAL SYSTEM				
Bone	(10)	(10)	(10)	(10)

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

Wistar Han RATS MALE	Control	3 mg/m3	10 mg/m3	30 mg/m3
NERVOUS SYSTEM				
Brain	(10)	(10)	(10)	(10)
RESPIRATORY SYSTEM				
Larynx	(10)	(10)	(10)	(10)
Lung	(10)	(10)	(10)	(10)
Nose	(10)	(10)	(10)	(10)
Trachea	(10)	(10)	(10)	(10)
SPECIAL SENSES SYSTEM				
Eye	(10)	(10)	(10)	(10)
Harderian Gland	(10)	(10)	(10)	(10)
URINARY SYSTEM				
Kidney	(10)	(10)	(10)	(10)
Urinary Bladder	(10)	(10)	(10)	(10)

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

Wistar Han RATS MALE	Control	3 mg/m3	10 mg/m3	30 mg/m3

Tumor Summary for Males

Total Animals with Primary Neoplasms (b)				**1**
Total Primary Neoplasms				**1**
Total Animals with Benign Neoplasms				
Total Benign Neoplasms				
Total Animals with Malignant Neoplasms				**1**
Total Malignant Neoplasms				**1**
Total Animals with Metastatic Neoplasms				
Total Metastatic Neoplasms				
Total Animals with Malignant Neoplasms Uncertain Primary Site				
Total Animals with Neoplasms Uncertain-Benign or Malignant				
Total Uncertain Neoplasms				

*** END OF MALE ***

a - Number of animals examined microscopically at site and number of animals with lesion
b - Primary tumors: all tumors except metastatic tumors

Wistar Han RATS 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)	(9)	(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)
Pancreas	(10)	(10)	(10)	(10)
Salivary Glands	(10)	(10)	(10)	(10)
Stomach, Forestomach	(10)	(10)	(10)	(10)
Squamous Cell Papilloma	1 (10%)			
Stomach, Glandular	(10)	(10)	(10)	(10)
CARDIOVASCULAR SYSTEM				
Blood Vessel	(10)	(10)	(10)	(10)
Heart	(10)	(10)	(10)	(10)
ENDOCRINE SYSTEM				
Adrenal Cortex	(10)	(10)	(10)	(10)
Adrenal Medulla	(10)	(10)	(10)	(10)
Islets, Pancreatic	(10)	(10)	(10)	(10)
Parathyroid Gland	(10)	(8)	(8)	(10)

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

Wistar Han RATS FEMALE	Control	3 mg/m3	10 mg/m3	30 mg/m3
Pituitary Gland	(10)	(10)	(10)	(10)
Pars Distalis, Adenoma				1 (10%)
Thyroid Gland	(10)	(10)	(10)	(10)
GENERAL BODY SYSTEM				
None				
GENITAL SYSTEM				
Clitoral Gland	(10)	(10)	(10)	(10)
Ovary	(10)	(10)	(10)	(10)
Uterus	(10)	(10)	(10)	(10)
Polyp Stromal	1 (10%)	1 (10%)	2 (20%)	1 (10%)
HEMATOPOIETIC SYSTEM				
Bone Marrow	(10)	(10)	(10)	(10)
Lymph Node, Bronchial	(7)	(8)	(9)	(5)
Lymph Node, Mandibular	(10)	(10)	(10)	(8)
Lymph Node, Mediastinal	(10)	(9)	(10)	(10)
Lymph Node, Mesenteric	(10)	(10)	(10)	(10)
Spleen	(10)	(10)	(10)	(10)
Thymus	(10)	(10)	(10)	(10)
INTEGUMENTARY SYSTEM				
Mammary Gland	(10)	(10)	(10)	(10)
Fibroadenoma				1 (10%)
Skin	(10)	(10)	(10)	(10)
MUSCULOSKELETAL SYSTEM				

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

Wistar Han RATS FEMALE	Control	3 mg/m3	10 mg/m3	30 mg/m3
Bone	(10)	(10)	(10)	(10)
NERVOUS SYSTEM				
Brain	(10)	(10)	(10)	(10)
RESPIRATORY SYSTEM				
Larynx	(10)	(10)	(10)	(10)
Lung	(10)	(10)	(10)	(10)
Alveolar/Bronchiolar Adenoma				1 (10%)
Nose	(10)	(10)	(10)	(10)
Trachea	(10)	(10)	(10)	(10)
SPECIAL SENSES SYSTEM				
Eye	(10)	(10)	(10)	(10)
Harderian Gland	(10)	(10)	(10)	(10)
URINARY SYSTEM				
Kidney	(10)	(10)	(10)	(10)
Urinary Bladder	(10)	(10)	(10)	(10)
SYSTEMIC LESIONS				
Multiple Organ	*(10)	*(10)	*(10)	*(10)
Lymphoma Malignant	1 (10%)			

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

Wistar Han RATS FEMALE	Control	3 mg/m3	10 mg/m3	30 mg/m3
Tumor Summary for Females				
Total Animals with Primary Neoplasms (b)	**3**	**1**	**2**	**4**
Total Primary Neoplasms	**3**	**1**	**2**	**4**
Total Animals with Benign Neoplasms	**2**	**1**	**2**	**4**
Total Benign Neoplasms	**2**	**1**	**2**	**4**
Total Animals with Malignant Neoplasms	**1**			
Total Malignant Neoplasms	**1**			
Total Animals with Metastatic Neoplasms				
Total Metastatic Neoplasms				
Total Animals with Malignant Neoplasms Uncertain Primary Site				
Total Animals with Neoplasms Uncertain-Benign or Malignant				
Total Uncertain Neoplasms				

*** END OF REPORT ***

a - Number of animals examined microscopically at site and number of animals with lesion
b - Primary tumors: all tumors except metastatic tumors