F1_Rev.1_PCN66

NTP Study Number:	C20306		
Lock Date:	10/07/2004		
Cage Range:	ALL		
Date Range:	ALL		
Reasons For Removal:	ALL		
Removal Date Range:	ALL		
Treatment Groups:	Include 001 0 NG/KG	Include 002 1000 NG/KG 66	Include 003 10,000 NG/KG 66
	Include 004 50,000 NG/KG 66	Include 005 100,000 NG/KG 66	Include 006 200,000 NG/KG 66
Study Gender:	Female		
TDMSE Version:	3.0.2.2_002		
PWG Approval Date:	NONE		

FISCHER 344 RATS FEMALE	0 NG/KG	1000 NG/KG 66	10,000 NG/KG 66	50,000 NG/KG 66	100,000 NG/KG 66	200,000 NG/KG 66
Disposition Summary						
Animals Initially In Study	**15**	**10**	**10**	**10**	**10**	**10**
Early Deaths						
Natural Death						**2**
Survivors						
Terminal Sacrifice	**15**	**10**	**10**	**10**	**10**	**8**
Animals Examined Microscopically	**15**	**10**	**10**	**10**	**10**	**10**
ALIMENTARY SYSTEM						
Esophagus	(15)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Cecum	(15)	(0)	(0)	(0)	(0)	(9)
Intestine Large, Colon	(15)	(0)	(0)	(1)	(0)	(10)
Serosa, Cyst				1 [2.0]		
Intestine Large, Rectum	(15)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Duodenum	(15)	(10)	(10)	(10)	(10)	(9)
Intestine Small, Ileum	(15)	(0)	(0)	(0)	(0)	(9)
Intestine Small, Jejunum	(15)	(0)	(0)	(0)	(0)	(9)
Liver	(15)	(10)	(10)	(10)	(10)	(9)
Clear Cell Focus					1	
Fatty Change				1 [1.0]	7 [1.1]	9 [1.8]
Hematopoietic Cell Proliferation						1 [1.0]
Hepatocyte, Multinucleate					10 [1.1]	9 [1.9]
Hepatodiaphragmatic Nodule	1	2	3	1	1	2
Inflammation, Suppurative						3 [1.0]
Inflammation, Granulomatous					8 [1.1]	
Inflammation, Chronic Active	7 [1.0]	6 [1.0]	8 [1.0]	9 [1.1]	9 [1.1]	8 [1.0]
Necrosis, Focal					1 [1.0]	
Pigmentation				1 [1.0]		4 [1.0]
Toxic Hepatopathy					8 [1.0]	9 [2.8]
Bile Duct, Cyst						1 [3.0]
Bile Duct, Hyperplasia						6 [1.2]
Hepatocyte, Degeneration						4 [1.0]
Hepatocyte, Glandular Structures						5 [2.0]
Hepatocyte, Hyperplasia						6 [1.5]

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)

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Hepatocyte, Hypertrophy	1 [1.0]			4 [1.0]	10 [2.1]	9 [3.8]
Oval Cell, Hyperplasia						8 [1.1]
Portal Vein, Fibrosis, Focal						2 [2.0]
Mesentery	(0)	(0)	(1)	(0)	(0)	(0)
Fat, Necrosis			1 [1.0]			
Pancreas	(15)	(10)	(10)	(10)	(10)	(9)
Infiltration Cellular, Mononuclear Cell	7 [1.0]	5 [1.0]	4 [1.0]	6 [1.0]	3 [1.0]	6 [1.0]
Acinus, Atrophy, Focal					1 [1.0]	
Acinus, Vacuolization Cytoplasmic						1 [1.0]
Salivary Glands	(15)	(0)	(0)	(0)	(0)	(10)
Stomach, Forestomach	(15)	(10)	(10)	(10)	(10)	(9)
Infiltration Cellular, Mononuclear Cell	1 [1.0]					
Epithelium, Hyperplasia, Squamous						1 [1.0]
Stomach, Glandular	(15)	(0)	(0)	(0)	(0)	(9)
Infiltration Cellular, Mononuclear Cell	4 [1.0]					2 [1.0]
Glands, Ectasia						1 [1.0]
Tongue	(15)	(0)	(0)	(0)	(0)	(10)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(15)	(0)	(0)	(0)	(0)	(10)
Aorta, Thrombus						3 [2.7]
Pulmonary Artery, Thrombus						1 [3.0]
Heart	(15)	(10)	(10)	(10)	(10)	(10)
Cardiomyopathy	9 [1.0]	8 [1.0]	7 [1.0]	7 [1.0]	4 [1.0]	4 [1.0]
Myocardium, Inflammation						3 [2.7]
Valve, Thrombus						1 [3.0]
Ventricle, Thrombus						2 [2.5]
ENDOCRINE SYSTEM						
Adrenal Cortex	(15)	(10)	(10)	(10)	(10)	(9)
Infiltration Cellular, Mixed Cell			1 [1.0]			
Inflammation, Histiocytic					1 [2.0]	
Zona Fasciculata, Vacuolization Cytoplasmic			1 [1.0]			

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Adrenal Medulla	(15)	(10)	(10)	(10)	(10)	(9)
Parathyroid Gland	(13)	(0)	(0)	(0)	(0)	(9)
Pituitary Gland	(15)	(10)	(10)	(10)	(10)	(10)
Cyst					1 [1.0]	
Thyroid Gland	(15)	(10)	(10)	(10)	(10)	(9)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland	(15)	(0)	(0)	(0)	(0)	(10)
Ovary	(15)	(10)	(10)	(10)	(10)	(9)
Atrophy						9 [1.2]
Periovarian Tissue, Cyst	1 [1.0]					
Uterus	(15)	(10)	(10)	(10)	(10)	(9)
Atrophy						9 [1.9]
Vagina	(15)	(10)	(10)	(10)	(10)	(9)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(15)	(0)	(0)	(0)	(0)	(10)
Lymph Node, Mesenteric	(15)	(10)	(10)	(10)	(10)	(9)
Atrophy	1 [1.0]			1 [1.0]		4 [1.3]
Hyperplasia, Lymphoid					1 [2.0]	
Infiltration Cellular, Histiocyte	6 [1.2]	6 [1.0]	6 [1.0]	5 [1.2]	9 [1.4]	3 [1.3]
Infiltration Cellular, Plasma Cell						1 [2.0]
Spleen	(15)	(10)	(10)	(10)	(10)	(9)
Hematopoietic Cell Proliferation				1 [1.0]		
Pigmentation, Hemosiderin	15 [1.1]	10 [1.0]	10 [1.0]	10 [1.2]	10 [1.0]	8 [1.0]
Thymus	(15)	(10)	(10)	(10)	(10)	(10)
Atrophy				1 [1.0]	2 [1.0]	10 [3.8]

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INTEGUMENTARY SYSTEM						
Mammary Gland	(15)	(10)	(10)	(10)	(10)	(10)
Skin	(15)	(10)	(10)	(10)	(10)	(10)
MUSCULOSKELETAL SYSTEM						
Bone	(15)	(0)	(0)	(0)	(0)	(10)
NERVOUS SYSTEM						
Brain	(15)	(0)	(0)	(0)	(0)	(10)
RESPIRATORY SYSTEM						
Lung	(15)	(10)	(10)	(10)	(10)	(10)
Inflammation, Chronic Active		1 [1.0]	1 [1.0]	1 [1.0]	1 [1.0]	
Metaplasia, Squamous					1 [1.0]	
Alveolar Epithelium, Hyperplasia	1 [2.0]	2 [1.0]	1 [1.0]	1 [1.0]		
Alveolus, Infiltration Cellular, Histiocyte	3 [1.0]	2 [1.0]	2 [1.0]	3 [1.0]	6 [1.0]	6 [1.2]
Interstitium, Inflammation, Granulomatous	1 [1.0]				1 [1.0]	
Nose	(15)	(0)	(0)	(0)	(0)	(10)
Trachea	(15)	(0)	(0)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM						
Eye	(15)	(0)	(0)	(0)	(0)	(10)
Harderian Gland	(15)	(10)	(10)	(10)	(10)	(10)
Infiltration Cellular, Mononuclear Cell		1 [1.0]		2 [1.0]	1 [1.0]	8 [1.9]
Duct, Metaplasia, Squamous						1 [2.0]
URINARY SYSTEM						

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Kidney	(15)	(10)	(10)	(10)	(10)	(9)
Mineralization	15 [1.0]	7 [1.0]	10 [1.0]	7 [1.0]	5 [1.0]	7 [1.0]
Nephropathy	2 [1.0]	1 [1.0]	1 [1.0]	3 [1.0]	4 [1.0]	4 [1.0]
Urinary Bladder	(15)	(0)	(0)	(0)	(0)	(9)
Infiltration Cellular, Lymphocyte	1 [1.0]					

*** END OF REPORT ***

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