

Experiment Number: 99920-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)

Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)

CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 11:59:23

First Dose M/F: NA / NA

Lab: NCTR

C Number:	MG96006
Lock Date:	Not Entered.
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

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CD Rat MALE	F3	CONTROL	F3/2PPB TO CTRL	F3/10PPB TO CTRL	F3/50PPB TO CTRL
Disposition Summary					
Animals Initially In Study		25	25	25	25
Early Deaths					
Survivors					
Terminal Sacrifice		25	25	25	25
Animals Examined Microscopically		25	25	25	25
ALIMENTARY SYSTEM					
Liver		(25)	(0)	(1)	(25)
Hepatocyte, Vacuolization Cytoplasmic					1 (4%)
Hepatodiaphragmatic Nodule				1 (100%)	
Infiltration Cellular, Lymphocyte		4 (16%)			3 (12%)
Inflammation, Chronic Active		9 (36%)			5 (20%)
Mesentery		(0)	(0)	(0)	(1)
Fat, Necrosis					1 (100%)
Inflammation, Granulomatous					1 (100%)
CARDIOVASCULAR SYSTEM					
None					
ENDOCRINE SYSTEM					
Adrenal Cortex		(25)	(0)	(0)	(25)
Vacuolization Cytoplasmic		2 (8%)			2 (8%)
Adrenal Medulla		(24)	(0)	(0)	(25)
Pituitary Gland		(25)	(0)	(0)	(25)
Pars Distalis, Cyst		1 (4%)			1 (4%)
Thyroid Gland		(25)	(0)	(0)	(25)
Cyst, Squamous		4 (16%)			4 (16%)
Cyst, Squamous, Multiple					1 (4%)
Infiltration Cellular, Lymphocyte		1 (4%)			1 (4%)
GENERAL BODY SYSTEM					

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None					
GENITAL SYSTEM					
Coagulating Gland	(25)	(25)	(25)	(25)	(25)
Bilateral, Developmental Malformation			1 (4%)	1 (4%)	1 (4%)
Developmental Malformation	2 (8%)		7 (28%)	5 (20%)	8 (32%)
Epididymis	(25)	(25)	(25)	(25)	(25)
Atrophy			3 (12%)	1 (4%)	1 (4%)
Hypospermia			3 (12%)	1 (4%)	1 (4%)
Infiltration Cellular, Lymphocyte	1 (4%)		2 (8%)	1 (4%)	
Preputial Gland	(0)	(0)	(0)	(2)	(1)
Duct, Dilatation				1 (50%)	1 (100%)
Inflammation, Suppurative				1 (50%)	1 (100%)
Prostate, Dorsal/Lateral Lobe	(9)	(12)	(12)	(8)	(9)
Infiltration Cellular, Lymphocyte	2 (22%)		3 (25%)		1 (11%)
Inflammation, Suppurative	7 (78%)		9 (75%)	8 (100%)	8 (89%)
Prostate, Dorsal/lateral Lobe	(16)	(13)	(13)	(17)	(16)
Prostate, Ventral Lobe	(25)	(25)	(25)	(25)	(25)
Infiltration Cellular, Lymphocyte	17 (68%)		17 (68%)	14 (56%)	16 (64%)
Inflammation, Suppurative	1 (4%)				1 (4%)
Rete Testes	(25)	(24)	(24)	(25)	(25)
Dilatation			3 (13%)		2 (8%)
Seminal Vesicle	(25)	(25)	(25)	(25)	(25)
Depletion Secretory				1 (4%)	1 (4%)
Testes	(25)	(25)	(25)	(25)	(25)
Seminif Tub, Degeneration	2 (8%)		5 (20%)	2 (8%)	1 (4%)
HEMATOPOIETIC SYSTEM					
Bone Marrow	(25)	(25)	(25)	(0)	(25)
Myeloid Cell, Hyperplasia	1 (4%)				2 (8%)
Spleen	(25)	(25)	(25)	(0)	(25)

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Hyperplasia, Lymphoid Pigmentation	1 (4%)				2 (8%)
Thymus Congestion	1 (4%) (24)		(0)	(0)	3 (12%) (25)
INTEGUMENTARY SYSTEM					
Mammary Gland	(25)		(25)	(24)	(24)
Alveolus, Hyperplasia	2 (8%)		5 (20%)	4 (17%)	7 (29%)
Duct, Hyperplasia	1 (4%)		1 (4%)	3 (13%)	1 (4%)
MUSCULOSKELETAL SYSTEM					
Bone	(25)		(0)	(0)	(25)
NERVOUS SYSTEM					
None					
RESPIRATORY SYSTEM					
None					
SPECIAL SENSES SYSTEM					
None					
URINARY SYSTEM					
Kidney	(25)		(0)	(2)	(25)
Bilateral, Pelvis, Dilatation	1 (4%)				
Casts Protein					1 (4%)
Congestion	2 (8%)			2 (100%)	
Hyaline Droplet	2 (8%)				2 (8%)
Infiltration Cellular, Lymphocyte	21 (84%)				19 (76%)
Interstitial, Fibrosis					2 (8%)
Renal Tubule, Dilatation	3 (12%)				6 (24%)
Renal Tubule, Regeneration	10 (40%)				9 (36%)

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END OF MALE DATA

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Disposition Summary					
Animals Initially In Study		25	25	25	25
Early Deaths					
Survivors					
Terminal Sacrifice		25	25	25	25
Animals Examined Microscopically		25	25	25	25
ALIMENTARY SYSTEM					
Intestine Small, Jejunum		(0)	(1)	(0)	(0)
Peyers Patch, Hyperplasia			1 (100%)		
Liver		(25)	(0)	(0)	(25)
Developmental Malformation		1 (4%)			
Inflammation, Chronic Active					2 (8%)
CARDIOVASCULAR SYSTEM					
None					
ENDOCRINE SYSTEM					
Adrenal Cortex		(25)	(0)	(0)	(25)
Adrenal Medulla		(25)	(0)	(0)	(25)
Pituitary Gland		(25)	(0)	(0)	(25)
Cyst		2 (8%)			
Thyroid Gland		(25)	(0)	(0)	(25)
Keratin Cyst					2 (8%)
GENERAL BODY SYSTEM					
None					
GENITAL SYSTEM					
Clitoral Gland		(0)	(3)	(0)	(0)
Distended			1 (33%)		
Inflammation, Chronic Active			3 (100%)		

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Ovary	(25)	(25)	(24)	(25)	
Corpus Luteum, Cyst	1 (4%)				
Cyst	2 (8%)				
Diestrus	10 (40%)	9 (36%)	3 (13%)	4 (16%)	
Estrus	5 (20%)	4 (16%)	5 (21%)	6 (24%)	
Hyperplasia, Sertoliform			1 (4%)		
Metestrus	6 (24%)	5 (20%)	7 (29%)	4 (16%)	
Proestrus	4 (16%)	7 (28%)	9 (38%)	11 (44%)	
Oviduct	(25)	(25)	(24)	(25)	
Uterus	(25)	(25)	(25)	(25)	
Diestrus	8 (32%)	9 (36%)	4 (16%)	3 (12%)	
Estrus	5 (20%)	4 (16%)	5 (20%)	6 (24%)	
Metestrus	8 (32%)	5 (20%)	6 (24%)	5 (20%)	
Proestrus	4 (16%)	7 (28%)	10 (40%)	11 (44%)	
Vagina	(25)	(25)	(25)	(25)	
Diestrus	10 (40%)	8 (32%)	3 (12%)	4 (16%)	
Estrus	4 (16%)	4 (16%)	7 (28%)	5 (20%)	
Metestrus	8 (32%)	6 (24%)	7 (28%)	5 (20%)	
Mucocyte, Hyperplasia		1 (4%)			
Proestrus	3 (12%)	7 (28%)	8 (32%)	11 (44%)	
HEMATOPOIETIC SYSTEM					
Bone Marrow	(25)	(0)	(0)	(25)	
Pigmentation	1 (4%)				
Spleen	(25)	(0)	(0)	(25)	
Congestion	1 (4%)				
Pigmentation	4 (16%)			1 (4%)	
Thymus	(25)	(0)	(0)	(25)	
INTEGUMENTARY SYSTEM					
Mammary Gland	(25)	(25)	(25)	(25)	

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Alveolus, Hyperplasia	9 (36%)		4 (16%)	11 (44%)	9 (36%)
Lactation	2 (8%)		1 (4%)	1 (4%)	
Lobules, Hyperplasia	7 (28%)		4 (16%)	6 (24%)	8 (32%)
Skin	(0)		(0)	(0)	(1)
Inflammation, Chronic, Focal					1 (100%)
MUSCULOSKELETAL SYSTEM					
Bone	(25)		(0)	(0)	(25)
NERVOUS SYSTEM					
None					
RESPIRATORY SYSTEM					
None					
SPECIAL SENSES SYSTEM					
None					
URINARY SYSTEM					
Kidney	(25)		(25)	(25)	(25)
Cortex, Cyst	3 (12%)		1 (4%)	3 (12%)	3 (12%)
Hydronephrosis				1 (4%)	
Infarct				2 (8%)	
Nephropathy, Focal					1 (4%)
Renal Tubule, Mineralization	19 (76%)		19 (76%)	18 (72%)	14 (56%)

**** END OF REPORT ****

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