

Experiment Number: 89002-01
Test Type: 18-33 DAYS
Route: DOSED FEED
Species/Strain: Rat/F 344/N

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

Test Compound: Pentachlorophenol, purified

CAS Number: 87-86-5

Date Report Requested: 10/16/2014

Time Report Requested: 23:22:41

First Dose M/F: NA / NA

Lab: BAT

C Number:	C89002
Lock Date:	07/13/1995
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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F 344/N Rat MALE	0 PPM	200 PPM	400 PPM	800 PPM	1600 PPM	3200 PPM
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Moribund Sacrifice						1
Survivors						
Terminal Sacrifice	10	10	10	10	10	9
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Esophagus	(10)	(10)	(10)	(10)	(10)	(10)
Intestine Large, Cecum	(10)	(10)	(10)	(10)	(10)	(10)
Intestine Large, Colon	(10)	(10)	(10)	(10)	(10)	(10)
Intestine Large, Rectum	(10)	(10)	(10)	(10)	(10)	(10)
Intestine Small, Duodenum	(10)	(10)	(10)	(10)	(10)	(10)
Intestine Small, Ileum	(10)	(10)	(10)	(10)	(10)	(10)
Intestine Small, Jejunum	(10)	(10)	(10)	(10)	(10)	(10)
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Basophilic Focus			1 (10%)			
Centrilobular, Hepatocyte, Hypertrophy					3 (30%)	6 (60%)
Hepatocyte, Degeneration			4 (40%)	7 (70%)	9 (90%)	10 (100%)
Hepatocyte, Necrosis	1 (10%)					
Hepatodiaphragmatic Nodule	2 (20%)		2 (20%)	1 (10%)		1 (10%)
Pancreas	(10)	(10)	(10)	(10)	(10)	(10)
Salivary Glands	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Chronic Active	1 (10%)					
Stomach, Forestomach	(10)	(10)	(10)	(10)	(10)	(10)
Stomach, Glandular	(10)	(10)	(10)	(10)	(10)	(10)
CARDIOVASCULAR SYSTEM						
Heart	(10)	(10)	(10)	(10)	(10)	(10)
Cardiomyopathy	2 (20%)	7 (70%)	6 (60%)	2 (20%)	1 (10%)	

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

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F 344/N Rat MALE	0 PPM	200 PPM	400 PPM	800 PPM	1600 PPM	3200 PPM
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(10)	(10)	(10)	(10)	(10)
Adrenal Medulla	(10)	(10)	(10)	(10)	(10)	(10)
Islets, Pancreatic	(10)	(10)	(10)	(10)	(10)	(10)
Parathyroid Gland	(9)	(9)	(10)	(10)	(10)	(9)
Pituitary Gland	(10)	(10)	(10)	(9)	(10)	(9)
Thyroid Gland	(10)	(10)	(10)	(10)	(10)	(10)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Epididymis	(10)	(10)	(10)	(10)	(10)	(10)
Preputial Gland	(10)	(10)	(10)	(10)	(10)	(10)
Hyperplasia		1 (10%)				
Inflammation, Chronic Active						3 (30%)
Prostate	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation					1 (10%)	
Inflammation, Chronic Active						1 (10%)
Seminal Vesicle	(10)	(10)	(10)	(10)	(10)	(10)
Testes	(10)	(10)	(10)	(10)	(10)	(10)
Germinal Epith, Degeneration						10 (100%)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(10)	(10)	(10)	(10)	(10)
Lymph Node, Mandibular	(10)	(10)	(10)	(10)	(10)	(10)
Lymph Node, Mesenteric	(10)	(10)	(10)	(10)	(10)	(10)
Spleen	(10)	(10)	(10)	(10)	(10)	(10)
Thymus	(10)	(10)	(10)	(10)	(10)	(9)
INTEGUMENTARY SYSTEM						
Mammary Gland	(9)	(10)	(10)	(9)	(9)	(9)

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F 344/N Rat MALE	0 PPM	200 PPM	400 PPM	800 PPM	1600 PPM	3200 PPM
Skin	(10)	(10)	(10)	(10)	(10)	(10)
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(10)	(10)	(10)	(10)	(10)
NERVOUS SYSTEM						
Brain	(10)	(10)	(10)	(10)	(10)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Chronic Active	3 (30%)			1 (10%)	2 (20%)	4 (40%)
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Chronic Active	10 (100%)	1 (10%)	5 (50%)	3 (30%)	1 (10%)	1 (10%)
Trachea	(10)	(10)	(10)	(10)	(10)	(10)
SPECIAL SENSES SYSTEM						
Lacrimal Gland	(1)	(0)	(0)	(0)	(0)	(0)
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Mineralization		4 (40%)	2 (20%)	1 (10%)		
Nephropathy, Chronic	7 (70%)	9 (90%)	5 (50%)	8 (80%)	7 (70%)	3 (30%)
Urinary Bladder	(10)	(10)	(10)	(10)	(10)	(10)

END OF MALE DATA

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F 344/N Rat FEMALE	0 PPM	200 PPM	400 PPM	800 PPM	1600 PPM	3200 PPM
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Moribund Sacrifice						1
Natural Death						1
Survivors						
Terminal Sacrifice	10	10	10	10	10	8
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Esophagus	(10)	(10)	(10)	(10)	(10)	(9)
Intestine Large, Cecum	(10)	(10)	(10)	(10)	(10)	(9)
Intestine Large, Colon	(10)	(10)	(10)	(10)	(10)	(9)
Intestine Large, Rectum	(10)	(10)	(10)	(10)	(10)	(9)
Intestine Small, Duodenum	(10)	(10)	(10)	(10)	(10)	(9)
Intestine Small, Ileum	(10)	(10)	(10)	(10)	(10)	(9)
Intestine Small, Jejunum	(10)	(10)	(10)	(10)	(10)	(9)
Liver	(10)	(10)	(10)	(10)	(10)	(9)
Angiectasis				1 (10%)		
Centrilobular, Hepatocyte, Hypertrophy					1 (10%)	7 (78%)
Hepatocyte, Degeneration			1 (10%)	6 (60%)	8 (80%)	8 (89%)
Hepatodiaphragmatic Nodule	3 (30%)		2 (20%)	2 (20%)	3 (30%)	2 (22%)
Pancreas	(10)	(10)	(10)	(10)	(10)	(9)
Salivary Glands	(10)	(10)	(10)	(10)	(10)	(9)
Stomach, Forestomach	(10)	(10)	(10)	(10)	(10)	(9)
Stomach, Glandular	(10)	(10)	(10)	(10)	(10)	(9)
CARDIOVASCULAR SYSTEM						
Heart	(10)	(10)	(10)	(10)	(10)	(9)
Cardiomyopathy		1 (10%)				

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ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(10)	(10)	(10)	(10)	(9)
Adrenal Medulla	(10)	(10)	(10)	(10)	(10)	(9)
Islets, Pancreatic	(10)	(10)	(10)	(10)	(10)	(9)
Parathyroid Gland	(10)	(9)	(10)	(8)	(10)	(9)
Pituitary Gland	(10)	(9)	(10)	(10)	(10)	(10)
Thyroid Gland	(10)	(10)	(10)	(10)	(10)	(9)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland	(10)	(10)	(10)	(10)	(10)	(9)
Inflammation, Chronic Active				1 (10%)		
Ovary	(10)	(10)	(10)	(10)	(10)	(9)
Uterus	(10)	(10)	(10)	(10)	(10)	(9)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(10)	(10)	(10)	(10)	(10)
Lymph Node, Mandibular	(10)	(10)	(10)	(10)	(10)	(9)
Lymph Node, Mesenteric	(10)	(10)	(10)	(10)	(10)	(9)
Spleen	(10)	(10)	(10)	(10)	(10)	(9)
Thymus	(10)	(10)	(10)	(10)	(10)	(9)
Degeneration						1 (11%)
INTEGUMENTARY SYSTEM						
Mammary Gland	(10)	(10)	(10)	(10)	(10)	(8)
Skin	(10)	(10)	(10)	(10)	(10)	(10)
Hemorrhage, Acute			1 (10%)			
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(10)	(10)	(10)	(10)	(10)

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NERVOUS SYSTEM						
Brain	(10)	(10)	(10)	(10)	(10)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(10)	(10)	(10)	(10)	(9)
Inflammation, Chronic Active	1 (10%)		1 (10%)		1 (10%)	3 (33%)
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Suppurative	1 (10%)					
Trachea	(10)	(10)	(10)	(10)	(10)	(9)
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(9)
Mineralization	10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)	8 (89%)
Nephropathy, Chronic	6 (60%)	3 (30%)	5 (50%)	3 (30%)	2 (20%)	3 (33%)
Urinary Bladder	(10)	(10)	(10)	(10)	(10)	(9)

**** END OF REPORT ****