

**Experiment Number:** 20306 - 03  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** RATS/F 344/N

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

PCN 66/67 comparison study  
**CAS Number:** PCNCOMPARISN

**Date Report Requested:** 08/27/2015  
**Time Report Requested:** 10:28:05  
**First Dose M/F:** NA / 10/13/03  
**Lab:** BAT

F1\_Rev. 1\_TCDD

**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 012 1 NG/KG

Include 013 10 NG/KG

Include 014 50 NG/KG

Include 015 100 NG/KG

Include 016 200 NG/KG

**Study Gender:** Female

**TDMSE Version:** 3.0.2.2\_002

**PWG Approval Date:** NONE

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FISCHER 344 RATS FEMALE	0 NG/KG	1 NG/KG	10 NG/KG	50 NG/KG	100 NG/KG	200 NG/KG
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**Disposition Summary**

<b>Animals Initially In Study</b>	<b>15</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
<b>Early Deaths</b>						
<b>Survivors</b>						
<b>Terminal Sacrifice</b>	<b>15</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
<b>Animals Examined Microscopically</b>	<b>15</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>

## ALIMENTARY SYSTEM

Esophagus	(15)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Cecum	(15)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Colon	(15)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Rectum	(15)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Duodenum	(15)	(10)	(10)	(10)	(10)	(10)
Intestine Small, Ileum	(15)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Jejunum	(15)	(0)	(0)	(0)	(0)	(10)
Inflammation, Chronic Active						1 (10%)
Liver	(15)	(10)	(10)	(10)	(10)	(10)
Hepatocyte, Multinucleate						3 (30%)
Hepatodiaphragmatic Nodule	1 (7%)	1 (10%)	1 (10%)	3 (30%)	2 (20%)	1 (10%)
Inflammation, Granulomatous			2 (20%)		4 (40%)	4 (40%)
Inflammation, Chronic Active	7 (47%)	7 (70%)	8 (80%)	10 (100%)	9 (90%)	10 (100%)
Pigmentation				1 (10%)	2 (20%)	4 (40%)
Toxic Hepatopathy						2 (20%)
Hepatocyte, Hypertrophy	1 (7%)				4 (40%)	8 (80%)
Mesentery	(0)	(0)	(0)	(0)	(0)	(1)
Fat, Necrosis						1 (100%)
Pancreas	(15)	(10)	(10)	(10)	(10)	(10)
Infiltration Cellular, Mononuclear Cell	7 (47%)	5 (50%)		5 (50%)	4 (40%)	5 (50%)
Acinus, Atrophy, Focal		2 (20%)				
Salivary Glands	(15)	(0)	(0)	(0)	(0)	(10)
Stomach, Forestomach	(15)	(10)	(10)	(10)	(10)	(10)
Infiltration Cellular, Mononuclear Cell	1 (7%)					
Stomach, Glandular	(15)	(0)	(0)	(0)	(0)	(10)
Infiltration Cellular, Mononuclear Cell	4 (27%)					3 (30%)

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FISCHER 344 RATS FEMALE	0 NG/KG	1 NG/KG	10 NG/KG	50 NG/KG	100 NG/KG	200 NG/KG
Tongue	(15)	(0)	(0)	(0)	(0)	(10)
<b>CARDIOVASCULAR SYSTEM</b>						
Blood Vessel	(15)	(0)	(0)	(0)	(0)	(10)
Heart	(15)	(0)	(0)	(0)	(0)	(10)
Cardiomyopathy	9 (60%)					9 (90%)
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(15)	(10)	(10)	(10)	(10)	(10)
Infiltration Cellular, Lymphocyte		1 (10%)				
Infiltration Cellular, Mononuclear Cell					1 (10%)	
Adrenal Medulla	(15)	(10)	(10)	(10)	(10)	(10)
Parathyroid Gland	(13)	(0)	(0)	(0)	(0)	(10)
Pituitary Gland	(15)	(10)	(10)	(10)	(10)	(10)
Thyroid Gland	(15)	(10)	(10)	(10)	(10)	(10)
Cyst		1 (10%)		3 (30%)		1 (10%)
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
Clitoral Gland	(15)	(0)	(0)	(0)	(0)	(10)
Ovary	(15)	(10)	(10)	(10)	(10)	(10)
Periovarian Tissue, Cyst	1 (7%)			1 (10%)		
Uterus	(15)	(10)	(10)	(10)	(10)	(10)
Vagina	(15)	(10)	(10)	(10)	(10)	(10)
<b>HEMATOPOIETIC SYSTEM</b>						

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Bone Marrow	(15)	(0)	(0)	(0)	(0)	(10)
Inflammation, Histiocytic						1 (10%)
Lymph Node, Mesenteric	(15)	(0)	(0)	(0)	(1)	(10)
Atrophy	1 (7%)					
Infiltration Cellular, Histiocyte	6 (40%)				1 (100%)	7 (70%)
Spleen	(15)	(10)	(10)	(10)	(10)	(10)
Hematopoietic Cell Proliferation		1 (10%)	2 (20%)	1 (10%)	1 (10%)	1 (10%)
Pigmentation, Hemosiderin	15 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Capsule, Inflammation, Chronic Active			1 (10%)			
Thymus	(15)	(10)	(10)	(10)	(10)	(10)
Atrophy				1 (10%)	5 (50%)	9 (90%)
<b>INTEGUMENTARY SYSTEM</b>						
Mammary Gland	(15)	(10)	(10)	(10)	(10)	(10)
Skin	(15)	(10)	(10)	(10)	(10)	(10)
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone	(15)	(0)	(0)	(0)	(0)	(10)
<b>NERVOUS SYSTEM</b>						
Brain	(15)	(0)	(0)	(0)	(0)	(10)
<b>RESPIRATORY SYSTEM</b>						
Lung	(15)	(10)	(10)	(10)	(10)	(10)
Inflammation, Chronic Active			1 (10%)			
Pigmentation, Hemosiderin					1 (10%)	
Alveolar Epithelium, Hyperplasia	1 (7%)					1 (10%)
Alveolus, Infiltration Cellular, Histiocyte	3 (20%)		3 (30%)		3 (30%)	4 (40%)
Interstitial, Inflammation, Granulomatous	1 (7%)					1 (10%)

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Nose	(15)	(0)	(0)	(0)	(0)	(10)
Nerve, Inflammation, Chronic						1 (10%)
Respiratory Epithelium, Inflammation						1 (10%)
Trachea	(15)	(0)	(0)	(0)	(0)	(10)
<hr/>						
SPECIAL SENSES SYSTEM						
Eye	(15)	(0)	(0)	(0)	(0)	(10)
Harderian Gland	(15)	(0)	(0)	(0)	(0)	(10)
Infiltration Cellular, Mononuclear Cell						2 (20%)
<hr/>						
URINARY SYSTEM						
Kidney	(15)	(10)	(10)	(10)	(10)	(10)
Mineralization	15 (100%)	9 (90%)	9 (90%)	9 (90%)	8 (80%)	4 (40%)
Nephropathy	2 (13%)	1 (10%)		2 (20%)	7 (70%)	3 (30%)
Cortex, Cyst					1 (10%)	
Urinary Bladder	(15)	(0)	(0)	(0)	(0)	(10)
Infiltration Cellular, Lymphocyte	1 (7%)					

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\*\*\* END OF REPORT \*\*\*

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