

**TDMs No.** 88133 - 07

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH  
AVERAGE SEVERITY GRADES[b]**

**Date Report Requested:** 03/31/2010

**Test Type:** CHRONIC

Trimethylolpropane triacrylate

**Time Report Requested:** 13:41:41

**Route:** SKIN APPLICATION

**CAS Number:** 15625-89-5

**First Dose M/F:** 01/18/05 / 01/18/05

**Species/Strain:** RATS/F 344/N

**Lab:** SRI

**C Number:** C88133C  
**Lock Date:** 10/30/2007  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 2.2.0

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FISCHER 344 RATS MALE	0 MG/KG	0.3 MG/KG	1.0 MG/KG	3.0 MG/KG
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**Disposition Summary**

<b>Animals Initially In Study</b>	<b>65</b>	<b>65</b>	<b>65</b>	<b>65</b>
<b>Scheduled Sacrifice</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>
<b>Early Deaths</b>				
<b>Accidentally Killed</b>		<b>1</b>		
<b>Moribund Sacrifice</b>	<b>19</b>	<b>24</b>	<b>19</b>	<b>16</b>
<b>Natural Death</b>	<b>8</b>	<b>7</b>	<b>3</b>	<b>11</b>
<b>Survivors</b>				
<b>Terminal Sacrifice</b>	<b>23</b>	<b>18</b>	<b>28</b>	<b>23</b>
<b>Animals Examined Microscopically</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>

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**ALIMENTARY SYSTEM**

Intestine Large, Cecum	(50)	(50)	(49)	(50)
Edema	3 [2.7]	1 [3.0]	3 [2.7]	1 [2.0]
Inflammation, Suppurative			1 [3.0]	
Intestine Large, Colon	(50)	(49)	(49)	(50)
Intestine Large, Rectum	(49)	(48)	(50)	(50)
Edema	1 [3.0]		1 [2.0]	
Intestine Small, Duodenum	(50)	(49)	(50)	(50)
Epithelium, Hyperplasia	8 [2.5]	5 [2.2]	3 [2.7]	3 [2.3]
Intestine Small, Ileum	(49)	(47)	(48)	(48)
Intestine Small, Jejunum	(48)	(44)	(48)	(49)
Ulcer			1 [3.0]	
Epithelium, Hyperplasia			1 [2.0]	
Liver	(50)	(50)	(50)	(50)
Angiectasis	1 [2.0]	1 [2.0]	4 [1.5]	
Basophilic Focus	20	19	29	23
Clear Cell Focus	11	10	14	16
Degeneration, Cystic	4 [1.5]	2 [2.5]	1 [2.0]	3 [1.3]
Eosinophilic Focus	4	4	6	4
Fibrosis, Focal			1 [3.0]	
Hematopoietic Cell Proliferation	3 [1.7]			3 [1.7]
Hemorrhage			1 [3.0]	
Hepatodiaphragmatic Nodule	5	5	6	11

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FISCHER 344 RATS MALE	0 MG/KG	0.3 MG/KG	1.0 MG/KG	3.0 MG/KG
Infiltration Cellular, Mixed Cell	5 [1.4]	6 [1.3]	5 [1.6]	4 [1.3]
Inflammation, Suppurative	1 [4.0]			1 [4.0]
Inflammation, Chronic				3 [1.7]
Mixed Cell Focus	10	8	11	11
Necrosis	2 [2.0]			
Necrosis, Focal	2 [1.5]	3 [2.3]		1 [4.0]
Thrombosis	1	1 [1.0]	1 [3.0]	
Bile Duct, Hyperplasia	38 [1.8]	27 [1.5]	21 [1.4]	30 [1.2]
Centrilobular, Necrosis	9 [1.8]	11 [1.9]	4 [2.0]	3 [2.0]
Hepatocyte, Vacuolization Cytoplasmic	17 [3.2]	10 [3.1]	12 [2.6]	19 [2.8]
Kupffer Cell, Pigmentation	1 [3.0]	1 [2.0]		
Oval Cell, Hyperplasia	2 [3.0]			1 [2.0]
Mesentery	(18)	(13)	(16)	(16)
Accessory Spleen	3	3	1	1
Hemorrhage	1 [2.0]			
Fat, Necrosis	14 [2.6]	10 [2.8]	11 [3.0]	11 [2.5]
Oral Mucosa	(0)	(0)	(1)	(1)
Cyst			1 [4.0]	
Pancreas	(50)	(50)	(50)	(50)
Atrophy	25 [2.3]	24 [2.1]	24 [2.0]	20 [2.1]
Cyst	8 [3.0]	9 [3.0]	6 [3.0]	8 [3.0]
Necrosis		1 [3.0]		
Acinus, Cytoplasmic Alteration	3 [2.7]	5 [2.8]	5 [3.2]	5 [3.2]
Acinus, Hyperplasia, Focal	3 [2.7]	1 [1.0]	1 [2.0]	6 [2.2]
Salivary Glands	(50)	(50)	(50)	(50)
Atrophy	8 [2.0]	7 [2.1]	10 [2.3]	6 [2.3]
Necrosis		1 [4.0]		
Stomach, Forestomach	(50)	(50)	(50)	(50)
Edema	6 [2.8]	7 [3.6]	3 [3.7]	1 [2.0]
Foreign Body				1
Inflammation, Chronic Active	5 [3.0]	4 [3.0]	1 [4.0]	2 [2.0]
Perforation	4			3
Ulcer	9 [3.9]	9 [3.3]	10 [3.6]	5 [3.0]
Epithelium, Hyperplasia	15 [3.3]	12 [2.6]	10 [2.9]	14 [2.6]
Stomach, Glandular	(50)	(50)	(50)	(50)
Edema	3 [2.7]		3 [3.0]	

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Lab: SRI

FISCHER 344 RATS MALE	0 MG/KG	0.3 MG/KG	1.0 MG/KG	3.0 MG/KG
Erosion	9 [2.1]	9 [1.9]	5 [2.2]	7 [2.3]
Ulcer	4 [2.8]		3 [2.3]	2 [2.5]
Glands, Hyperplasia	2 [1.5]	4 [1.8]	1 [2.0]	3 [1.7]
Tongue	(1)	(1)	(0)	(0)
Epithelium, Hyperplasia		1 [2.0]		
Tooth	(0)	(1)	(0)	(0)
Malformation		1		

## CARDIOVASCULAR SYSTEM

Blood Vessel	(1)	(2)	(1)	(0)
Hypertrophy		2 [3.5]		
Inflammation, Chronic		1 [3.0]		
Thrombosis		1 [4.0]		
Heart	(50)	(50)	(50)	(50)
Cardiomyopathy	46 [2.3]	43 [2.3]	44 [2.3]	43 [2.6]
Inflammation, Suppurative	1 [4.0]	1 [4.0]		
Inflammation, Chronic		1 [3.0]		1 [1.0]
Mineralization				1 [3.0]
Thrombosis	10 [3.4]	8 [3.0]		2 [3.0]

## ENDOCRINE SYSTEM

Adrenal Cortex	(50)	(50)	(50)	(50)
Accessory Adrenal Cortical Nodule	17 [3.0]	14 [3.0]	18 [3.0]	23 [3.0]
Atrophy	1 [3.0]		1 [3.0]	1 [4.0]
Degeneration, Fatty	25 [2.0]	22 [2.0]	27 [1.8]	22 [2.0]
Hematopoietic Cell Proliferation				1 [2.0]
Hemorrhage		1 [3.0]		
Hyperplasia, Focal	4 [1.8]	2 [2.0]	4 [1.3]	3 [1.3]
Hyperplasia, Diffuse		1 [3.0]		2 [3.0]
Hypertrophy, Focal	11 [2.5]	7 [1.9]	10 [1.8]	7 [1.7]
Adrenal Medulla	(49)	(50)	(50)	(50)
Hyperplasia	22 [1.6]	19 [1.7]	20 [1.8]	19 [1.5]
Islets, Pancreatic	(50)	(50)	(50)	(50)

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Hyperplasia	2 [1.5]	1 [2.0]	1 [2.0]	1 [3.0]
Parathyroid Gland	(45)	(46)	(45)	(47)
Hyperplasia		2 [2.0]		
Pituitary Gland	(49)	(50)	(49)	(50)
Hyperplasia	1 [2.0]			
Pigmentation	3 [3.0]			
Pars Distalis, Angiectasis	3 [3.3]	2 [2.5]	8 [2.9]	6 [2.0]
Pars Distalis, Atrophy	3 [2.7]			
Pars Distalis, Cyst	2 [3.0]	3 [3.0]	5 [3.0]	4 [3.0]
Pars Distalis, Hyperplasia	10 [2.4]	5 [1.8]	7 [2.7]	12 [2.3]
Pars Distalis, Hypertrophy, Focal		2 [2.0]		8 [2.1]
Pars Intermedia, Angiectasis		1 [3.0]	1 [2.0]	2 [2.5]
Pars Intermedia, Cyst	1 [3.0]	2 [3.0]		1 [3.0]
Thyroid Gland	(50)	(50)	(49)	(50)
Ultimobranchial Cyst	2 [3.0]	2 [3.0]		
C-cell, Hyperplasia	6 [1.7]	5 [1.8]	5 [1.6]	6 [1.3]
Follicle, Cyst	2 [3.0]	1 [3.0]	2 [3.0]	2 [3.0]
Follicular Cell, Hyperplasia			1 [2.0]	

## GENERAL BODY SYSTEM

Tissue NOS	(1)	(0)	(2)	(0)
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## GENITAL SYSTEM

Epididymis	(50)	(50)	(50)	(50)
Fibrosis			1 [3.0]	1 [2.0]
Granuloma Sperm				1 [2.0]
Inflammation, Chronic	3 [2.0]	3 [2.0]	2 [2.5]	7 [2.0]
Preputial Gland	(50)	(50)	(50)	(50)
Cyst			1 [3.0]	
Hyperplasia			1 [2.0]	3 [2.0]
Inflammation, Chronic	20 [2.2]	15 [2.2]	16 [2.4]	18 [2.2]
Prostate	(50)	(50)	(50)	(50)
Fibrosis			1 [3.0]	

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Inflammation, Chronic Epithelium, Hyperplasia	42 [2.5]	36 [2.3]	35 [2.2]	41 [2.2]
Seminal Vesicle	4 [1.0]	2 [1.0]	4 [1.3]	6 [1.2]
Inflammation, Chronic	(50)	(50)	(50)	(50)
Testes	(50)	(50)	(50)	(50)
Artery, Inflammation, Chronic	1 [3.0]	3 [1.7]		1 [2.0]
Germinal Epithelium, Atrophy	23 [2.4]	21 [2.4]	25 [2.2]	23 [2.7]
Interstitial Cell, Hyperplasia	6 [1.2]	5 [1.2]	2 [1.5]	6 [1.3]

HEMATOPOIETIC SYSTEM

Bone Marrow	(49)	(50)	(49)	(50)
Angiectasis			1 [3.0]	
Depletion Cellular			1 [3.0]	
Hyperplasia	3 [2.0]	8 [2.8]	6 [2.7]	6 [2.7]
Infiltration Cellular, Histiocyte		1 [4.0]		
Myelofibrosis	1 [3.0]			
Necrosis		1 [4.0]	1 [4.0]	
Lymph Node	(20)	(20)	(17)	(18)
Ectasia				1 [3.0]
Deep Cervical, Ectasia	1 [4.0]			
Deep Cervical, Hemorrhage			1 [3.0]	
Deep Cervical, Hyperplasia, Lymphoid	1 [4.0]		1 [2.0]	1 [3.0]
Mediastinal, Ectasia	5 [2.8]	5 [2.4]	4 [3.0]	5 [3.2]
Mediastinal, Hemorrhage	1 [2.0]	4 [2.0]	3 [1.7]	2 [1.5]
Mediastinal, Hyperplasia, Lymphoid	3 [3.3]	4 [2.8]	4 [2.5]	5 [2.4]
Mediastinal, Hyperplasia, Plasma Cell		2 [3.0]		
Mediastinal, Pigmentation	2 [2.5]	1 [1.0]		
Pancreatic, Ectasia	3 [3.0]	4 [2.3]	3 [3.7]	2 [4.0]
Pancreatic, Hemorrhage	1 [2.0]		2 [2.0]	
Pancreatic, Hyperplasia, Lymphoid	1 [1.0]		3 [2.3]	
Lymph Node, Mandibular	(4)	(0)	(0)	(1)
Ectasia	1 [1.0]			
Lymph Node, Mesenteric	(50)	(50)	(50)	(49)
Angiectasis				1 [3.0]

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FISCHER 344 RATS MALE	0 MG/KG	0.3 MG/KG	1.0 MG/KG	3.0 MG/KG
Ectasia	8 [2.5]	2 [1.5]	5 [2.2]	6 [2.2]
Hemorrhage	1 [1.0]	5 [1.2]	5 [1.6]	3 [1.7]
Hyperplasia, Atypical	1 [3.0]			
Hyperplasia, Lymphoid	18 [2.2]	20 [2.3]	18 [2.2]	19 [2.2]
Necrosis	1 [3.0]			
Pigmentation	1 [2.0]	1 [3.0]		
Spleen	(50)	(50)	(49)	(49)
Accessory Spleen	1			1
Fibrosis	3 [3.3]		2 [3.0]	1 [4.0]
Hematopoietic Cell Proliferation	10 [2.2]	9 [2.6]	9 [2.4]	9 [2.2]
Hemorrhage	1 [4.0]			
Infiltration Cellular, Mixed Cell		1 [4.0]		
Necrosis	2 [4.0]	1 [4.0]	4 [3.5]	1 [1.0]
Pigmentation	1 [3.0]	2 [3.0]	1 [3.0]	1 [3.0]
Lymphoid Follicle, Atrophy	2 [3.0]	1 [2.0]	2 [2.0]	2 [3.0]
Lymphoid Follicle, Hyperplasia		1 [2.0]		
Thymus	(45)	(44)	(49)	(46)
Atrophy		1 [3.0]		

## INTEGUMENTARY SYSTEM

Mammary Gland	(50)	(49)	(49)	(48)
Hyperplasia	37 [3.1]	27 [3.4]	35 [3.1]	28 [3.1]
Inflammation, Chronic Active			2 [3.0]	
Skin	(50)	(49)	(50)	(50)
Cyst Epithelial Inclusion			3	
Edema		1 [4.0]		
Hemorrhage		1 [3.0]		
Hyperkeratosis		1 [4.0]		1 [4.0]
Inflammation, Chronic		1 [2.0]		1 [4.0]
Ulcer	6 [3.7]	4 [4.0]	10 [4.0]	7 [4.0]
Control, Cyst Epithelial Inclusion			1	
Control, Edema		1 [3.0]		
Epidermis, Hyperplasia	4 [3.0]	4 [3.5]	5 [3.4]	5 [3.6]
Epidermis, Site Of Application, Hyperplasia	1 [1.0]		12 [1.0]	28 [1.1]

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FISCHER 344 RATS MALE	0 MG/KG	0.3 MG/KG	1.0 MG/KG	3.0 MG/KG
Site Of Application, Hyperkeratosis	2 [1.0]	4 [1.0]	33 [1.0]	49 [1.0]
Site Of Application, Inflammation, Chronic			1 [2.0]	

## MUSCULOSKELETAL SYSTEM

Bone	(50)	(50)	(50)	(50)
Fibrous Osteodystrophy	1 [1.0]	1 [1.0]		2 [1.0]
Fracture				1
Femur, Osteopetrosis			1 [3.0]	
Skeletal Muscle	(2)	(0)	(3)	(1)
Hemorrhage	1 [2.0]			

## NERVOUS SYSTEM

Brain	(50)	(50)	(50)	(50)
Compression	25 [3.3]	26 [3.2]	26 [2.9]	16 [3.0]
Hemorrhage	4 [2.5]	1 [3.0]	1 [2.0]	2 [2.0]
Necrosis	2 [2.5]	1 [3.0]	2 [1.5]	4 [2.3]
Meninges, Fibrosis		1 [3.0]		
Spinal Cord	(2)	(3)	(5)	(3)

## RESPIRATORY SYSTEM

Lung	(50)	(50)	(50)	(50)
Edema	1 [3.0]	1 [3.0]	1 [3.0]	
Foreign Body			1	
Hemorrhage	3 [2.0]	4 [2.8]	1 [2.0]	4 [2.0]
Infiltration Cellular, Histiocyte	20 [1.4]	18 [1.3]	14 [1.4]	18 [1.2]
Inflammation, Suppurative	1 [3.0]	1 [3.0]		
Inflammation, Chronic	14 [1.2]	12 [1.6]	15 [1.3]	10 [1.2]
Metaplasia, Osseous		2 [1.0]	1 [1.0]	1 [1.0]
Pigmentation, Hemosiderin	2 [1.0]	2 [2.0]		1 [3.0]
Thrombosis	1 [1.0]	1 [2.0]	1 [1.0]	
Alveolar Epithelium, Hyperplasia	10 [1.9]	9 [2.0]	8 [1.9]	8 [1.6]

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FISCHER 344 RATS MALE	0 MG/KG	0.3 MG/KG	1.0 MG/KG	3.0 MG/KG
Alveolar Epithelium, Metaplasia, Squamous	1 [3.0]		1 [3.0]	
Bronchiole, Hyperplasia			1 [2.0]	
Pleura, Fibrosis		1 [2.0]		
Nose	(50)	(50)	(50)	(50)
Foreign Body	23	27	26	27
Fungus	2	4	6	3
Hemorrhage		2 [3.5]		
Inflammation, Chronic	20 [1.5]	19 [1.9]	23 [1.8]	21 [1.7]
Respiratory Epithelium, Hyperplasia	11 [1.2]	11 [1.8]	14 [1.8]	17 [1.4]
Respiratory Epithelium, Metaplasia, Squamous	2 [2.5]	5 [3.4]	6 [1.8]	4 [1.8]
Trachea	(50)	(50)	(50)	(50)
Inflammation, Chronic	1 [3.0]			

## SPECIAL SENSES SYSTEM

Eye	(50)	(50)	(50)	(50)
Cataract	3 [3.0]	2 [2.5]	2 [2.0]	3 [2.0]
Inflammation, Suppurative			1 [2.0]	
Inflammation, Acute		1 [2.0]	3 [1.7]	
Inflammation, Chronic	1 [2.0]	1 [2.0]		
Cornea, Hyperplasia	1 [2.0]			
Retina, Degeneration	9 [2.1]	2 [3.5]	3 [2.7]	3 [3.0]
Harderian Gland	(50)	(50)	(50)	(50)
Hyperplasia, Focal		2 [1.5]	1 [1.0]	
Inflammation, Chronic	1 [2.0]	1 [4.0]		
Zymbal's Gland	(1)	(2)	(1)	(3)

## URINARY SYSTEM

Kidney	(50)	(50)	(50)	(50)
Hydronephrosis				1 [3.0]
Infarct	1 [2.0]			
Inflammation, Chronic			1 [2.0]	
Nephropathy	48 [2.2]	44 [2.2]	47 [2.3]	44 [2.3]
Papilla, Necrosis				2 [2.0]

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FISCHER 344 RATS MALE	0 MG/KG	0.3 MG/KG	1.0 MG/KG	3.0 MG/KG
Renal Tubule, Accumulation, Hyaline Droplet	1 [2.0]	1 [2.0]	2 [2.5]	
Renal Tubule, Dilatation	1 [2.0]	2 [2.5]	2 [2.0]	
Renal Tubule, Necrosis	5 [2.0]	3 [3.0]	2 [2.0]	1 [4.0]
Renal Tubule, Pigmentation	6 [2.2]	3 [2.3]	1 [2.0]	1 [3.0]
Transitional Epithelium, Hyperplasia	1 [2.0]		1 [2.0]	
Urinary Bladder	(50)	(50)	(50)	(50)
Calculus Gross Observation	1			
Inflammation, Chronic	1 [3.0]			1 [3.0]
Necrosis				1 [3.0]

\*\*\* END OF MALE \*\*\*

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Species/Strain: RATS/F 344/N

Lab: SRI

FISCHER 344 RATS FEMALE	0 MG/KG	0.3 MG.KG	1.0 MG/KG	3.0 MG/KG
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**Disposition Summary**

<b>Animals Initially In Study</b>	<b>65</b>	<b>65</b>	<b>65</b>	<b>65</b>
<b>Scheduled Sacrifice</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>
<b>Early Deaths</b>				
<b>Moribund Sacrifice</b>	<b>10</b>	<b>12</b>	<b>17</b>	<b>10</b>
<b>Natural Death</b>	<b>13</b>	<b>7</b>	<b>9</b>	<b>8</b>
<b>Survivors</b>				
<b>Natural Death</b>			<b>1</b>	
<b>Terminal Sacrifice</b>	<b>27</b>	<b>31</b>	<b>23</b>	<b>32</b>
<b>Animals Examined Microscopically</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>

## ALIMENTARY SYSTEM

Intestine Large, Cecum	(49)	(49)	(49)	(50)
Edema	1 [2.0]		3 [3.0]	
Intestine Small, Duodenum	(50)	(50)	(50)	(50)
Epithelium, Hyperplasia		1 [2.0]	4 [2.5]	
Intestine Small, Ileum	(45)	(49)	(48)	(49)
Intestine Small, Jejunum	(44)	(47)	(44)	(49)
Liver	(50)	(50)	(50)	(50)
Angiectasis	4 [2.0]	2 [2.5]		3 [1.7]
Basophilic Focus	43	45	38	45
Clear Cell Focus	9	5	2	7
Cyst	1 [3.0]			
Eosinophilic Focus	8	9	7	4
Fatty Change	4 [2.8]	7 [2.9]	6 [2.5]	5 [2.2]
Hematopoietic Cell Proliferation	2 [1.5]	2 [1.0]	1 [2.0]	
Hepatodiaphragmatic Nodule	11	9	2	9
Infiltration Cellular, Mixed Cell	7 [2.0]	7 [1.3]	9 [1.4]	12 [1.8]
Inflammation, Chronic				1 [1.0]
Mixed Cell Focus	9	9	4	8
Necrosis, Focal	2 [1.5]	5 [1.0]	4 [2.0]	
Thrombosis			1 [3.0]	
Bile Duct, Hyperplasia		2 [1.0]	4 [1.3]	2 [1.0]
Centrilobular, Necrosis	2 [1.5]	3 [2.7]	3 [1.7]	

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)

Test Type: CHRONIC

Trimethylolpropane triacrylate

Time Report Requested: 13:41:41

Route: SKIN APPLICATION

CAS Number: 15625-89-5

First Dose M/F: 01/18/05 / 01/18/05

Species/Strain: RATS/F 344/N

Lab: SRI

FISCHER 344 RATS FEMALE	0 MG/KG	0.3 MG.KG	1.0 MG/KG	3.0 MG/KG
Hepatocyte, Eosinophilic Focus				1
Hepatocyte, Mitotic Alteration				2 [3.0]
Hepatocyte, Vacuolization Cytoplasmic	3 [2.7]	7 [2.7]	12 [3.1]	6 [2.5]
Kupffer Cell, Pigmentation		1 [3.0]		
Mesentery	(26)	(15)	(19)	(18)
Accessory Spleen	4		2	1
Fibrosis	1 [2.0]		1 [3.0]	
Hemorrhage		1 [3.0]		
Thrombosis			1 [3.0]	
Fat, Necrosis	22 [3.0]	13 [2.8]	16 [2.8]	15 [2.7]
Pancreas	(50)	(50)	(49)	(50)
Atrophy	10 [1.6]	13 [1.3]	16 [1.6]	8 [1.8]
Cyst	3 [3.0]	4 [3.0]	3 [3.0]	6 [3.0]
Metaplasia, Hepatocyte		1 [2.0]		
Acinus, Cytoplasmic Alteration	4 [2.8]	2 [3.0]	3 [3.0]	
Acinus, Hyperplasia, Focal	1 [1.0]	2 [1.5]	3 [1.3]	2 [1.0]
Salivary Glands	(50)	(50)	(50)	(50)
Atrophy	5 [2.2]	5 [1.8]	3 [2.0]	2 [1.5]
Necrosis	1 [3.0]			
Stomach, Forestomach	(50)	(50)	(50)	(50)
Edema	3 [3.7]	2 [3.0]	7 [3.6]	2 [4.0]
Erosion		1 [2.0]		
Inflammation, Chronic Active	4 [3.0]	2 [3.0]	5 [3.4]	4 [3.0]
Perforation			2	
Ulcer	5 [3.2]	1 [4.0]	9 [3.3]	2 [3.5]
Epithelium, Hyperplasia	6 [3.2]	3 [2.7]	12 [3.1]	7 [2.9]
Stomach, Glandular	(50)	(50)	(50)	(50)
Erosion	1 [1.0]	5 [1.8]	5 [2.0]	3 [1.0]
Ulcer	1 [3.0]		3 [2.3]	1 [2.0]
Glands, Hyperplasia		2 [2.0]	2 [1.5]	1 [1.0]
Tongue	(1)	(1)	(0)	(0)
Epithelium, Hyperplasia	1 [1.0]			

## CARDIOVASCULAR SYSTEM

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)

Test Type: CHRONIC

Trimethylolpropane triacrylate

Time Report Requested: 13:41:41

Route: SKIN APPLICATION

CAS Number: 15625-89-5

First Dose M/F: 01/18/05 / 01/18/05

Species/Strain: RATS/F 344/N

Lab: SRI

FISCHER 344 RATS FEMALE	0 MG/KG	0.3 MG.KG	1.0 MG/KG	3.0 MG/KG
Heart	(50)	(50)	(50)	(50)
Cardiomyopathy	38 [1.9]	44 [1.6]	34 [1.9]	30 [1.9]
Thrombosis		3 [2.7]	2 [3.0]	

## ENDOCRINE SYSTEM

Adrenal Cortex	(50)	(50)	(50)	(50)
Accessory Adrenal Cortical Nodule	7 [3.0]	6 [3.0]	4 [3.0]	8 [3.0]
Atrophy	1 [3.0]	1 [3.0]		
Degeneration, Fatty	18 [1.8]	23 [2.0]	23 [2.0]	22 [1.5]
Hemorrhage		1 [2.0]		
Hyperplasia	1 [3.0]			
Hyperplasia, Focal	8 [1.6]	6 [1.8]	3 [2.3]	9 [1.9]
Hyperplasia, Diffuse			1 [2.0]	
Hypertrophy, Focal	7 [2.3]	11 [1.6]	12 [1.7]	7 [2.3]
Necrosis	2 [3.5]	1 [1.0]		
Adrenal Medulla	(48)	(50)	(49)	(50)
Hyperplasia	5 [1.4]	3 [1.0]	4 [1.8]	1 [1.0]
Necrosis	1 [4.0]			
Islets, Pancreatic	(50)	(50)	(49)	(50)
Hyperplasia	2 [1.5]	1 [1.0]		
Parathyroid Gland	(45)	(49)	(46)	(46)
Hyperplasia	1 [2.0]			
Pituitary Gland	(50)	(50)	(50)	(50)
Pigmentation			1 [3.0]	
Pars Distalis, Angiectasis	9 [3.2]	10 [2.9]	14 [2.6]	10 [2.9]
Pars Distalis, Cyst	14 [3.0]	18 [3.0]	19 [3.0]	24 [3.0]
Pars Distalis, Hyperplasia	9 [2.3]	11 [2.4]	17 [2.4]	9 [2.4]
Pars Distalis, Hypertrophy, Focal			1 [2.0]	1 [2.0]
Pars Intermedia, Angiectasis	3 [3.0]	5 [2.6]	2 [2.5]	4 [2.8]
Pars Intermedia, Cyst	3 [3.0]	1 [3.0]	3 [3.0]	7 [3.0]
Pars Intermedia, Hyperplasia	1 [3.0]			
Thyroid Gland	(50)	(50)	(50)	(50)
Ultimobranchial Cyst		1 [3.0]	2 [3.0]	
C-cell, Hyperplasia	5 [1.4]	8 [1.3]	8 [1.3]	4 [2.0]

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)

Test Type: CHRONIC

Trimethylolpropane triacrylate

Time Report Requested: 13:41:41

Route: SKIN APPLICATION

CAS Number: 15625-89-5

First Dose M/F: 01/18/05 / 01/18/05

Species/Strain: RATS/F 344/N

Lab: SRI

FISCHER 344 RATS FEMALE	0 MG/KG	0.3 MG.KG	1.0 MG/KG	3.0 MG/KG
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Follicle, Cyst		1 [3.0]	2 [3.0]	1 [3.0]
Follicular Cell, Hyperplasia	1 [1.0]			

## GENERAL BODY SYSTEM

Tissue NOS	(0)	(1)	(1)	(0)
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## GENITAL SYSTEM

Clitoral Gland	(50)	(50)	(50)	(49)
Cyst	3 [3.0]	2 [3.0]	2 [3.0]	
Hyperplasia	10 [2.1]	6 [1.3]	3 [2.3]	2 [2.5]
Inflammation, Chronic	5 [2.8]	7 [2.6]	2 [3.0]	4 [3.0]
Ovary	(50)	(50)	(50)	(50)
Cyst	6 [3.0]	5 [3.0]	8 [3.0]	7 [3.0]
Uterus	(50)	(50)	(50)	(50)
Hyperplasia, Cystic	10 [2.0]	7 [2.0]	12 [2.2]	3 [2.7]
Cervix, Myometrium, Hypertrophy		1 [3.0]		
Vagina	(8)	(5)	(9)	(5)

## HEMATOPOIETIC SYSTEM

Bone Marrow	(50)	(50)	(50)	(50)
Hyperplasia	3 [3.3]	5 [2.6]	2 [3.5]	1 [3.0]
Infiltration Cellular, Histiocyte				2 [2.0]
Myelofibrosis	2 [1.0]	1 [3.0]	2 [2.5]	1 [4.0]
Lymph Node	(12)	(11)	(8)	(4)
Bronchial, Hyperplasia	1 [2.0]			
Bronchial, Pigmentation	1 [2.0]			
Mediastinal, Ectasia	3 [2.7]	2 [3.0]	1 [2.0]	
Mediastinal, Hemorrhage	4 [2.8]	4 [2.5]	2 [2.5]	2 [2.5]
Mediastinal, Hyperplasia, Lymphoid	3 [2.7]	7 [2.3]	1 [3.0]	1 [2.0]
Mediastinal, Pigmentation	5 [2.2]	6 [2.2]	2 [3.0]	2 [2.5]
Pancreatic, Hemorrhage	1 [3.0]			

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Test Type: CHRONIC

Trimethylolpropane triacrylate

Time Report Requested: 13:41:41

Route: SKIN APPLICATION

CAS Number: 15625-89-5

First Dose M/F: 01/18/05 / 01/18/05

Species/Strain: RATS/F 344/N

Lab: SRI

FISCHER 344 RATS FEMALE	0 MG/KG	0.3 MG.KG	1.0 MG/KG	3.0 MG/KG
Pancreatic, Pigmentation	1 [2.0]			
Lymph Node, Mandibular Ectasia	(4) 1 [4.0]	(0)	(0)	(0)
Lymph Node, Mesenteric Ectasia	(50) 1 [2.0]	(50)	(50)	(50)
Hemorrhage	1 [1.0]	1 [2.0]	1 [2.0]	2 [1.0]
Hyperplasia, Lymphoid Pigmentation	26 [2.3] 1 [3.0]	20 [2.2] 1 [3.0]	14 [2.1] 1 [2.0]	19 [2.2] 3 [3.0]
Spleen Fibrosis	(50) 1 [3.0]	(50)	(50)	(50)
Hematopoietic Cell Proliferation Infiltration Cellular, Mixed Cell Necrosis	10 [2.2]	13 [2.2]	17 [2.2]	13 [2.0]
Pigmentation	8 [3.0]	5 [3.0]	6 [3.0]	6 [3.0]
Lymphoid Follicle, Atrophy		1 [3.0]	1 [3.0]	1 [2.0]
Thymus Cyst	(47) 1 [3.0]	(47)	(46)	(50)

## INTEGUMENTARY SYSTEM

Mammary Gland Hyperplasia	(50) 48 [2.9]	(50) 48 [2.9]	(50) 45 [2.8]	(50) 44 [2.6]
Inflammation, Chronic		1 [4.0]		
Skin Cyst Epithelial Inclusion	(50) 1	(50)	(50)	(50)
Edema		1 [3.0]		1 [2.0]
Ulcer	2 [2.5]	3 [3.7]		2 [3.0]
Epidermis, Hyperplasia	1 [3.0]	4 [2.8]		2 [3.0]
Epidermis, Site Of Application, Hyperplasia		4 [1.3]	11 [1.0]	25 [1.0]
Site Of Application, Hyperkeratosis		11 [1.0]	42 [1.0]	50 [1.0]
Site Of Application, Ulcer		2 [2.0]		
Subcutaneous Tissue, Necrosis				1 [2.0]

## MUSCULOSKELETAL SYSTEM

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)

Test Type: CHRONIC

Trimethylolpropane triacrylate

Time Report Requested: 13:41:41

Route: SKIN APPLICATION

CAS Number: 15625-89-5

First Dose M/F: 01/18/05 / 01/18/05

Species/Strain: RATS/F 344/N

Lab: SRI

FISCHER 344 RATS FEMALE	0 MG/KG	0.3 MG.KG	1.0 MG/KG	3.0 MG/KG
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Bone	(50)	(50)	(50)	(50)
Fibrous Osteodystrophy			1 [2.0]	
Femur, Osteopetrosis		1 [4.0]		
Skeletal Muscle	(0)	(1)	(1)	(0)
Cyst			1 [3.0]	

## NERVOUS SYSTEM

Brain	(50)	(50)	(50)	(50)
Compression	31 [2.9]	24 [3.0]	18 [3.1]	21 [3.1]
Hemorrhage	3 [3.0]	4 [2.3]	4 [2.8]	1 [3.0]
Necrosis	1 [1.0]	4 [1.8]	1 [4.0]	

## RESPIRATORY SYSTEM

Lung	(50)	(50)	(50)	(50)
Edema	1 [2.0]	1 [1.0]	1 [2.0]	1 [2.0]
Foreign Body				2
Hemorrhage	4 [2.3]	5 [1.8]	10 [2.0]	4 [1.8]
Infiltration Cellular, Histiocyte	23 [1.1]	24 [1.2]	28 [1.1]	21 [1.0]
Inflammation, Chronic	14 [1.2]	22 [1.2]	15 [1.0]	13 [1.5]
Inflammation, Chronic Active			1 [4.0]	
Metaplasia, Osseous			1 [1.0]	
Pigmentation, Hemosiderin	11 [1.4]	16 [1.3]	14 [1.2]	12 [1.4]
Alveolar Epithelium, Hyperplasia	3 [1.3]	5 [1.8]	3 [1.3]	2 [1.5]
Nose	(50)	(50)	(50)	(50)
Foreign Body	5	5	2	2
Inflammation, Chronic	8 [1.4]	5 [1.6]	4 [1.3]	5 [1.2]
Respiratory Epithelium, Hyperplasia	2 [1.0]	3 [1.0]		
Respiratory Epithelium, Metaplasia, Squamous	2 [2.0]	1 [1.0]		

## SPECIAL SENSES SYSTEM

Eye	(50)	(50)	(50)	(50)
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Test Type: CHRONIC

Trimethylolpropane triacrylate

Time Report Requested: 13:41:41

Route: SKIN APPLICATION

CAS Number: 15625-89-5

First Dose M/F: 01/18/05 / 01/18/05

Species/Strain: RATS/F 344/N

Lab: SRI

FISCHER 344 RATS FEMALE	0 MG/KG	0.3 MG.KG	1.0 MG/KG	3.0 MG/KG
Cataract	2 [3.0]	6 [2.0]	5 [1.8]	4 [2.5]
Inflammation, Acute	2 [2.0]	1 [2.0]	1 [2.0]	
Cornea, Hyperplasia	1 [2.0]			
Retina, Degeneration	6 [2.2]	10 [2.8]	11 [2.3]	5 [3.6]
Harderian Gland	(50)	(50)	(50)	(50)
Inflammation, Chronic	1 [2.0]	3 [3.3]		
Zymbal's Gland	(0)	(1)	(0)	(0)

## URINARY SYSTEM

Kidney	(50)	(50)	(50)	(50)
Cyst	1 [3.0]		2 [3.0]	
Infarct	1 [1.0]	1 [4.0]	2 [2.5]	
Inflammation, Suppurative			1 [1.0]	
Inflammation, Chronic			1 [2.0]	
Nephropathy	38 [1.6]	39 [1.6]	36 [1.8]	35 [1.6]
Renal Tubule, Accumulation, Hyaline Droplet	2 [2.0]	2 [2.5]	1 [2.0]	
Renal Tubule, Dilatation	2 [2.0]			
Renal Tubule, Necrosis		1 [4.0]	1 [3.0]	
Renal Tubule, Pigmentation	2 [2.5]	1 [2.0]	3 [2.7]	1 [1.0]
Transitional Epithelium, Hyperplasia		2 [2.0]	3 [2.0]	1 [1.0]
Urinary Bladder	(50)	(50)	(49)	(50)
Edema	1 [3.0]			
Transitional Epithelium, Hyperplasia			1 [3.0]	

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

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)