

**TDMS No.** 98007 - 03

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

**Date Report Reqsted:** 03/28/2008

**Test Type:** 90-DAY

Sodium thioglycolate

**Time Report Reqsted:** 10:56:29

**Route:** SKIN APPLICATION

**CAS Number:** 367-51-1

**First Dose M/F:** 12/16/02 / 12/17/02

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

**Lab:** MBA

**C Number:** C98007  
**Lock Date:** 12/18/2003  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**TDMSE Version:** 1.9.1

Test Type: 90-DAY

Sodium thioglycolate

Time Report Requested: 10:56:29

Route: SKIN APPLICATION

CAS Number: 367-51-1

First Dose M/F: 12/16/02 / 12/17/02

Species/Strain: RATS/F 344

Lab: MBA

FISCHER 344 RATS MALE	VEHICLE CONTROL	11.25 MG/KG	22.5 MG/KG	45.0 MG/KG	90.0 MG/KG	180.0 MG/KG
<b>Disposition Summary</b>						
Animals Initially in Study	10	10	10	10	10	10
Early Deaths						
Survivors						
Terminal Sacrifice	10	10	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10	10
<b>ALIMENTARY SYSTEM</b>						
Liver	(10)	(0)	(0)	(0)	(0)	(10)
Hepatodiaphragmatic Nodule						1
<b>CARDIOVASCULAR SYSTEM</b>						
Heart	(10)	(0)	(0)	(0)	(0)	(10)
Cardiomyopathy	3 [1.0]					1 [1.0]
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Zona Fasciculata, Vacuolization	10 [1.0]					10 [1.0]
Cytoplasmic						
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
None						
<b>HEMATOPOIETIC SYSTEM</b>						
Spleen	(10)	(0)	(0)	(0)	(0)	(10)

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: 90-DAY

Sodium thioglycolate

Time Report Requested: 10:56:29

Route: SKIN APPLICATION

CAS Number: 367-51-1

First Dose M/F: 12/16/02 / 12/17/02

Species/Strain: RATS/F 344

Lab: MBA

FISCHER 344 RATS MALE	VEHICLE CONTROL	11.25 MG/KG	22.5 MG/KG	45.0 MG/KG	90.0 MG/KG	180.0 MG/KG
Congestion	9 [1.0]					10 [1.0]
Hematopoietic Cell Proliferation	10 [1.0]					10 [1.0]
Pigmentation	9 [1.0]					10 [1.0]
Thymus	(10)	(0)	(0)	(0)	(0)	(10)
Hemorrhage, Focal	1 [1.0]					1 [1.0]
Thymocyte, Atrophy						1 [1.0]
<b>INTEGUMENTARY SYSTEM</b>						
Skin	(10)	(10)	(10)	(10)	(10)	(10)
Sebacous Gland, Site Of Application - Dermis, Hypertrophy			2 [1.0]	4 [1.0]	5 [1.0]	6 [1.0]
Site Of Application - Epidermis, Exudate, Focal						1 [2.0]
Site Of Application - Epidermis, Hyperkeratosis		6 [1.0]	9 [1.0]	4 [1.0]	4 [1.0]	4 [1.0]
Site Of Application - Epidermis, Hyperplasia, Focal					1 [1.0]	
Site Of Application - Epidermis, Hyperplasia, Diffuse		1 [1.0]	2 [1.0]	3 [1.0]	5 [1.0]	6 [1.0]
Site Of Application - Epidermis, Parakeratosis, Focal		1 [1.0]				
<b>MUSCULOSKELETAL SYSTEM</b>						
None						
<b>NERVOUS SYSTEM</b>						
None						
<b>RESPIRATORY SYSTEM</b>						
Lung	(10)	(0)	(0)	(0)	(0)	(10)
Hemorrhage, Focal	1 [1.0]					
Alveolus, Hemorrhage, Focal						1 [1.0]
Alveolus, Infiltration Cellular, Histiocyte						1 [1.0]
Alveolus, Inflammation, Focal, Chronic	2 [1.0]					

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: 90-DAY

Sodium thioglycolate

Time Report Requested: 10:56:29

Route: SKIN APPLICATION

CAS Number: 367-51-1

First Dose M/F: 12/16/02 / 12/17/02

Species/Strain: RATS/F 344

Lab: MBA

FISCHER 344 RATS MALE	VEHICLE CONTROL	11.25 MG/KG	22.5 MG/KG	45.0 MG/KG	90.0 MG/KG	180.0 MG/KG
Active						
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
Kidney	(10)	(0)	(0)	(0)	(0)	(10)
Nephropathy	3 [1.0]					
Nephropathy, Focal						1 [1.0]
Renal Tubule, Regeneration, Focal	1 [1.0]					2 [1.0]

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

Test Type: 90-DAY

Sodium thioglycolate

Time Report Requested: 10:56:29

Route: SKIN APPLICATION

CAS Number: 367-51-1

First Dose M/F: 12/16/02 / 12/17/02

Species/Strain: RATS/F 344

Lab: MBA

FISCHER 344 RATS FEMALE	VEHICLE CONTROL	11.25 MG/KG	22.5 MG/KG	45.0 MG/KG	90.0 MG/KG	180.0 MG/KG
<b>Disposition Summary</b>						
Animals Initially in Study	10	10	10	10	10	10
Early Deaths						
Survivors						
Terminal Sacrifice	10	10	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10	10
<b>ALIMENTARY SYSTEM</b>						
Liver	(10)	(0)	(0)	(0)	(0)	(10)
Hepatodiaphragmatic Nodule Inflammation, Granulomatous Necrosis, Focal	1 [1.0]					2 [1.0] 3 [1.3]
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Atrophy, Focal	1 [1.0]					
<b>CARDIOVASCULAR SYSTEM</b>						
Heart	(10)	(0)	(0)	(0)	(0)	(10)
Cardiomyopathy	1 [1.0]					
<b>ENDOCRINE SYSTEM</b>						
Pituitary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Cyst						1 [1.0]
Thyroid Gland	(9)	(0)	(0)	(0)	(0)	(9)
Ectopic Thymus	1 [1.0]					2 [1.0]
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
Uterus	(10)	(0)	(0)	(0)	(0)	(10)

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: 90-DAY

Sodium thioglycolate

Time Report Requested: 10:56:29

Route: SKIN APPLICATION

CAS Number: 367-51-1

First Dose M/F: 12/16/02 / 12/17/02

Species/Strain: RATS/F 344

Lab: MBA

FISCHER 344 RATS FEMALE	VEHICLE CONTROL	11.25 MG/KG	22.5 MG/KG	45.0 MG/KG	90.0 MG/KG	180.0 MG/KG
Dilatation	2 [2.0]					4 [2.5]
<b>HEMATOPOIETIC SYSTEM</b>						
Lymph Node Hemorrhage	(1)	(0)	(0)	(0)	(0)	(3) 1 [1.0]
Pancreatic, Inflammation, Granulomatous Thoracic, Hyperplasia, Lymphoid	1 [2.0]					2 [1.5] (10)
Lymph Node, Mesenteric Inflammation, Granulomatous	(10)	(0)	(0)	(0)	(0)	1 [1.0] (10)
Spleen Congestion	(10) 10 [1.0]	(0)	(0)	(0)	(0)	(10) 10 [1.0]
Hematopoietic Cell Proliferation	10 [1.0]					10 [1.0]
Pigmentation	9 [1.0]					10 [1.0]
Thymus Thymocyte, Atrophy	(10) 4 [1.0]	(0)	(0)	(0)	(0)	(10) 3 [1.0]
<b>INTEGUMENTARY SYSTEM</b>						
Skin	(10)	(10)	(10)	(10)	(10)	(10)
Sebaceous Gland, Site Of Application - Dermis, Hypertrophy				2 [1.0]	6 [1.0]	5 [1.0]
Site Of Application - Epidermis, Hyperkeratosis			1 [1.0]	7 [1.0]	6 [1.0]	5 [1.0]
Site Of Application - Epidermis, Hyperplasia, Diffuse				2 [1.0]	7 [1.3]	8 [1.5]
Site Of Application - Epidermis, Infiltration Cellular, Mononuclear Cell					1 [1.0]	
Site Of Application - Epidermis, Parakeratosis, Focal						3 [1.0]
Site Of Application - Epidermis, Ulcer, Focal						3 [1.0]
<b>MUSCULOSKELETAL SYSTEM</b>						
None						
<b>NERVOUS SYSTEM</b>						

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: 90-DAY

Sodium thioglycolate

Time Report Reqsted: 10:56:29

Route: SKIN APPLICATION

CAS Number: 367-51-1

First Dose M/F: 12/16/02 / 12/17/02

Species/Strain: RATS/F 344

Lab: MBA

FISCHER 344 RATS FEMALE	VEHICLE CONTROL	11.25 MG/KG	22.5 MG/KG	45.0 MG/KG	90.0 MG/KG	180.0 MG/KG
None						
RESPIRATORY SYSTEM						
None						
SPECIAL SENSES SYSTEM						
Harderian Gland Infiltration Cellular, Lymphocyte	(10)	(0)	(0)	(0)	(0)	(10) 1 [1.0]
URINARY SYSTEM						
Kidney Renal Tubule, Regeneration, Focal	(10)	(0)	(0)	(0)	(0)	(10) 2 [1.0]

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