

Experiment Number: 99019 - 01

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

Date Report Requested: 12/22/2016

Test Type: 14-DAY

Triethylamine

Time Report Requested: 13:24:37

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 121-44-8

First Dose M/F: 09/23/02 / 09/23/02

Species/Strain: RATS/F 344/N

Lab: BNW

Final 2\_R2

**NTP Study Number:** C99019  
**Lock Date:** 09/16/2003  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 3.0.2.3\_002  
**PWG Approval Date:** NONE

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FISCHER 344 RATS MALE

CONTROL

100 PPM

200 PPM

400 PPM

800 PPM

1000 PPM

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**Disposition Summary**

Animals Initially In Study	5	5	5	5	5	5
Early Deaths						
Natural Death					5	5
Survivors						
Terminal Sacrifice	5	5	5	5		
Animals Examined Microscopically	5	5	5	5	5	5

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ALIMENTARY SYSTEM

None

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CARDIOVASCULAR SYSTEM

None

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ENDOCRINE SYSTEM

None

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GENERAL BODY SYSTEM

None

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GENITAL SYSTEM

None

---

HEMATOPOIETIC SYSTEM

None

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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)

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FISCHER 344 RATS MALE	CONTROL	100 PPM	200 PPM	400 PPM	800 PPM	1000 PPM
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## INTEGUMENTARY SYSTEM

None

## MUSCULOSKELETAL SYSTEM

None

## NERVOUS SYSTEM

None

## RESPIRATORY SYSTEM

Lung	(5)	(5)	(5)	(5)	(5)	(5)
Alveolus, Infiltration Cellular, Histiocyte, Focal	2 [1.0]		1 [1.0]	1 [1.0]		
Bronchus, Degeneration			4 [1.3]	5 [2.6]		
Bronchus, Inflammation, Suppurative				5 [2.2]		
Bronchus, Necrosis					5 [4.0]	5 [4.0]
Bronchus, Regeneration				5 [3.4]		
Nose	(5)	(5)	(5)	(5)	(5)	(5)
Foreign Body				1		
Inflammation, Suppurative		1 [1.0]	4 [1.3]	5 [3.0]		
Olfactory Epithelium, Atrophy		3 [1.0]	4 [1.0]	3 [1.7]		
Olfactory Epithelium, Respiratory Epithelium, Necrosis					5 [4.0]	5 [4.0]
Respiratory Epithelium, Hyperplasia		4 [1.0]	5 [1.2]	5 [1.6]		
Respiratory Epithelium, Metaplasia, Squamous			2 [1.0]	5 [2.0]		
Respiratory Epithelium, Ulcer				5 [3.2]		
Turbinate, Necrosis				4 [3.0]		

## SPECIAL SENSES SYSTEM

Eye	(5)	(5)	(5)	(4)	(5)	(5)
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FISCHER 344 RATS MALE	CONTROL	100 PPM	200 PPM	400 PPM	800 PPM	1000 PPM
Anterior Chamber, Proteinaceous Fluid					1 [2.0]	2 [2.0]
Cornea, Necrosis			1 [1.0]		5 [1.6]	4 [1.3]
Cornea, Vesicle, Subepithelial		1	2		1	
Cornea, Epithelium, Ulcer					3 [2.3]	4 [2.5]
Cornea, Epithelium, Vacuolation					5 [3.6]	5 [2.8]
Epithelium, Iris, Vacuolation					1 [2.0]	
Iris, Necrosis					2 [2.0]	3 [1.7]
Lens, Cataract					1 [1.0]	2 [1.0]
Retina, Dysplasia	1 [1.0]	1 [2.0]	1 [1.0]			

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URINARY SYSTEM

None

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

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FISCHER 344 RATS FEMALE

CONTROL

100 PPM

200 PPM

400 PPM

800 PPM

1000 PPM

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**Disposition Summary**

Animals Initially In Study	5	5	5	5	5	5
Early Deaths						
Natural Death					5	5
Survivors						
Terminal Sacrifice	5	5	5	5		
Animals Examined Microscopically	5	5	5	5	5	5

---

ALIMENTARY SYSTEM

None

---

CARDIOVASCULAR SYSTEM

None

---

ENDOCRINE SYSTEM

None

---

GENERAL BODY SYSTEM

None

---

GENITAL SYSTEM

None

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HEMATOPOIETIC SYSTEM

None

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## FISCHER 344 RATS FEMALE

CONTROL

100 PPM

200 PPM

400 PPM

800 PPM

1000 PPM

## INTEGUMENTARY SYSTEM

None

## MUSCULOSKELETAL SYSTEM

None

## NERVOUS SYSTEM

None

## RESPIRATORY SYSTEM

	(5)	(5)	(5)	(5)	(5)	(5)
Lung	(5)	(5)	(5)	(5)	(5)	(5)
Alveolus, Infiltration Cellular, Histiocyte, Focal			1 [1.0]			
Bronchiole, Degeneration				1 [2.0]		
Bronchus, Degeneration			4 [1.0]	5 [2.8]		
Bronchus, Inflammation, Suppurative				5 [2.0]		
Bronchus, Necrosis					5 [4.0]	5 [4.0]
Bronchus, Regeneration				5 [2.8]		
Nose	(5)	(5)	(5)	(5)	(5)	(5)
Inflammation, Suppurative		1 [1.0]	1 [1.0]	5 [3.4]		
Olfactory Epithelium, Atrophy		2 [1.0]	4 [1.0]	3 [1.0]		
Olfactory Epithelium, Respiratory Epithelium, Necrosis					5 [4.0]	5 [4.0]
Respiratory Epithelium, Hyperplasia		4 [1.0]	4 [1.0]	3 [1.0]		
Respiratory Epithelium, Metaplasia, Squamous				5 [2.2]		
Respiratory Epithelium, Ulcer				4 [2.5]		
Turbinate, Necrosis				3 [3.0]		

## SPECIAL SENSES SYSTEM

	(5)	(5)	(5)	(5)	(5)	(5)
Eye	(5)	(5)	(5)	(5)	(5)	(5)

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FISCHER 344 RATS FEMALE	CONTROL	100 PPM	200 PPM	400 PPM	800 PPM	1000 PPM
Anterior Chamber, Proteinaceous Fluid						1 [2.0]
Conjunctiva, Epithelium, Vacuolation					1 [2.0]	
Cornea, Necrosis		1 [1.0]	1 [1.0]		1 [3.0]	1 [1.0]
Cornea, Vesicle, Subepithelial		2	2	2		
Cornea, Epithelium, Ulcer						1 [3.0]
Cornea, Epithelium, Vacuolation					4 [3.3]	4 [2.8]
Epithelium, Iris, Vacuolation					1 [3.0]	2 [2.5]
Iris, Necrosis					1 [2.0]	
Lens, Cataract					1 [2.0]	1 [2.0]

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URINARY SYSTEM

None

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

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b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)