

TDMS No. 20516 - 02

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

Date Report Requested: 08/25/2008

Test Type: 90-DAY

Metal working fluids (Trim SC210)

Time Report Requested: 10:20:23

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: TRIMSC210

First Dose M/F: 08/14/06 / 08/14/06

Species/Strain: MICE/B6C3F1

Lab: BNW

F1_M3

C Number: C20516
Lock Date: 05/16/2007
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.0.0

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Lab: BNW

B6C3F1 MICE MALE	0 mg/m3	25 mg/m3	50 mg/m3	100 mg/m3	200 mg/m3	400 mg/m3
Disposition Summary						
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
ALIMENTARY SYSTEM						
Pancreas Necrosis	(10)	(0)	(0)	(0)	(0)	(10) 1 [2.0]
CARDIOVASCULAR SYSTEM						
None						
ENDOCRINE SYSTEM						
None						
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Testes Hypoplasia	(10)	(0)	(0)	(0)	(0)	(10) 1 [3.0]
HEMATOPOIETIC SYSTEM						
None						

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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B6C3F1 MICE MALE	0 mg/m3	25 mg/m3	50 mg/m3	100 mg/m3	200 mg/m3	400 mg/m3
INTEGUMENTARY SYSTEM						
Skin Inflammation, Chronic Active	(10) 1 [2.0]	(0)	(0)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
Larynx Inflammation, Chronic Active	(10)	(10)	(10)	(10) 2 [1.0]	(10) 3 [1.0]	(10) 1 [1.0]
Metaplasia, Squamous Squamous Epithelium, Hyperplasia		10 [4.0]	10 [4.0]	10 [4.0]	10 [4.0]	10 [4.0]
Lung Infiltration Cellular, Histiocyte Arteriole, Hypertrophy	(10)	(10)	(10)	(10) 1 [1.0]	(10) 10 [1.0]	(10) 10 [1.8]
Bronchiole, Hyperplasia Perivascular, Inflammation, Chronic Active		1 [1.0]		2 [1.0]	10 [1.0]	10 [1.8]
Nose Olfactory Epithelium, Accumulation, Hyaline Droplet	(10)	(10) 1 [1.0]	(10) 2 [1.0]	(10) 7 [1.1]	(10) 10 [1.5]	(10) 10 [2.1]
Respiratory Epithelium, Accumulation, Hyaline Droplet		9 [1.0]	10 [1.0]	10 [1.0]	10 [1.6]	10 [2.0]
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						

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Kidney	(10)	(0)	(0)	(0)	(0)	(10)
Cyst	1 [3.0]					
Nephropathy	2 [1.0]					

*** END OF MALE ***

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Disposition Summary

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

ALIMENTARY SYSTEM

None

CARDIOVASCULAR SYSTEM

None

ENDOCRINE SYSTEM

None

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Ovary	(10)	(0)	(0)	(0)	(1)	(10)
Cyst					1 [3.0]	

HEMATOPOIETIC SYSTEM

None

INTEGUMENTARY SYSTEM

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B6C3F1 MICE FEMALE	0 mg/m3	25 mg/m3	50 mg/m3	100 mg/m3	200 mg/m3	400 mg/m3
None						
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
Larynx	(10)	(10)	(10)	(10)	(9)	(10)
Inflammation, Chronic Active						1 [1.0]
Metaplasia, Squamous		10 [3.7]	10 [4.0]	10 [4.0]	9 [4.0]	10 [4.0]
Squamous Epithelium, Hyperplasia				9 [1.0]	8 [1.0]	8 [1.0]
Lung	(10)	(10)	(10)	(10)	(10)	(10)
Infiltration Cellular, Histiocyte					9 [1.0]	10 [1.6]
Arteriole, Hypertrophy			1 [3.0]			
Bronchiole, Hyperplasia					2 [1.0]	10 [2.0]
Perivascular, Inflammation, Chronic			1 [2.0]		7 [1.0]	10 [1.7]
Active						
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Cyst	1 [2.0]					
Olfactory Epithelium, Accumulation,	1 [2.0]	2 [1.0]	4 [1.0]	9 [1.3]	10 [1.6]	10 [2.4]
Hyaline Droplet						
Respiratory Epithelium, Accumulation,	1 [2.0]	10 [1.0]	10 [1.0]	10 [1.3]	10 [1.9]	10 [2.1]
Hyaline Droplet						
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
Kidney	(10)	(0)	(0)	(0)	(0)	(10)
Nephropathy	1 [1.0]					1 [1.0]

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