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

ALPHA-PINENE

CAS Number: 80-56-8

Species/Strain: MICE/B6C3F1

Route: RESPIRATORY EXPOSURE WHOLE BODY

Pathologist: GRUMBEIN, S. - LIEUALLEN, W.

F1_M3

C Number:

C20302

Lock Date:

12/07/2005

Cage Range:

ALL

Date Range:

ALL

Reasons For Removal:

ALL

Removal Date Range:

ALL

Treatment Groups:

Include ALL

Date Report Reqsted: 11/17/2006 Time Report Reqsted: 07:28:41 First Dose M/F: 03/28/05 / 03/28/05

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

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Route: RESPIRATORY EXPOSURE WHOLE BODY

Pathologist: GRUMBEIN, S. - LIEUALLEN, W.

Date Report Reqsted: 11/17/2006 Time Report Reqsted: 07:28:41 First Dose M/F: 03/28/05 / 03/28/05

B6C3F1 MICE MALE	control	25 ppm	50 ppm	100 ppm	200 ppm
Disposition Summary					
Animals Initially in Study Early Deaths Survivors	10	10	10	10	10
Terminal Sacrifice Animals Examined Microscopically	10 10	10 10	10 10	10 10	10 10
ALIMENTARY SYSTEM					
Gallbladder	(9)	(0)	(0)	(0)	(0)
Infiltration Cellular, Polymorphonuclear Pancreas Duct, Cyst	(10)	(0)	(0)	(1) 1 (100%)	(0)
CARDIOVASCULAR SYSTEM					
None					
ENDOCRINE SYSTEM					
Adrenal Cortex Hypertrophy	(10) 2 (20%)	(0)	(0)	(0)	(0)
GENERAL BODY SYSTEM					
None					
GENITAL SYSTEM					
None					
HEMATOPOIETIC SYSTEM					
None					

a - Number of animals examined microscopically at site and number of animals with lesion

Species/Strain: MICE/B6C3F1

Route: RESPIRATORY EXPOSURE WHOLE BODY

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ALPHA-PINENE

CAS Number: 80-56-8 Pathologist: GRUMBEIN, S. - LIEUALLEN, W.

Date Report Reqsted: 11/17/2006 Time Report Reqsted: 07:28:41 First Dose M/F: 03/28/05 / 03/28/05

B6C3F1 MICE MALE	control	25 ppm	50 ppm	100 ppm	200 ppm
INTEGUMENTARY SYSTEM					
None					
MUSCULOSKELETAL SYSTEM					
None					
NERVOUS SYSTEM					
None					
RESPIRATORY SYSTEM					
None					
SPECIAL SENSES SYSTEM					
None					
URINARY SYSTEM					
Kidney Dilatation	(10)	(10)	(10) 1 (10%)	(10) 1 (10%)	(10)
Nephropathy Urinary Bladder Transitional Epithelium, Hyperplasia	(10)	(10)	1 (10%) (10)	1 (10%) (10) 7 (70%)	(10) 10 (100%)

a - Number of animals examined microscopically at site and number of animals with lesion

TDMS No. 20302 - 04

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

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1 Patholog

ALPHA-PINENE

CAS Number: 80-56-8

Pathologist: GRUMBEIN, S. - LIEUALLEN, W.

Date Report Reqsted: 11/17/2006 Time Report Reqsted: 07:28:41 First Dose M/F: 03/28/05 / 03/28/05

B6C3F1 MICE MALE	400 ppm		
Disposition Summary			
Animals Initially in Study Early Deaths Survivors	10		
Terminal Sacrifice Animals Examined Microscopically	10 10		
ALIMENTARY SYSTEM			
Gallbladder Infiltration Cellular, Polymorphonuclear Pancreas Duct, Cyst	(7) 1 (14%) (10)		
CARDIOVASCULAR SYSTEM			
None			
ENDOCRINE SYSTEM			
Adrenal Cortex Hypertrophy	(10)		
GENERAL BODY SYSTEM			
None			
GENITAL SYSTEM			
None			
HEMATOPOIETIC SYSTEM			
None			

a - Number of animals examined microscopically at site and number of animals with lesion

Route: RESPIRATORY EXPOSURE WHOLE BODY

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

ALPHA-PINENE

CAS Number: 80-56-8

Species/Strain: MICE/B6C3F1 **Pathologist:** GRUMBEIN, S. - LIEUALLEN, W.

Date Report Reqsted: 11/17/2006 Time Report Reqsted: 07:28:41 First Dose M/F: 03/28/05 / 03/28/05

Lab: BNW

B6C3F1 MICE MALE	400 ppm		
INTEGUMENTARY SYSTEM			
None			
MUSCULOSKELETAL SYSTEM			
None			
NERVOUS SYSTEM			
None			
RESPIRATORY SYSTEM			
None			
SPECIAL SENSES SYSTEM			
None			
URINARY SYSTEM			
Kidney	(10)		
Dilatation Nephropathy	1 (10%)		
Nephropathy Urinary Bladder	1 (10%) (10)		
Transitional Epithelium, Hyperplasia	10 (100%)		
	. ,		

*** END OF MALE ***

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ALPHA-PINENE

CAS Number: 80-56-8

Species/Strain: MICE/B6C3F1

Route: RESPIRATORY EXPOSURE WHOLE BODY

Pathologist: GRUMBEIN, S. - LIEUALLEN, W.

Date Report Reqsted: 11/17/2006 Time Report Reqsted: 07:28:41 First Dose M/F: 03/28/05 / 03/28/05

Lab: BNW

B6C3F1 MICE FEMALE	control	25 ppm	50 ppm	100 ppm	200 ppm
Disposition Summary					
Animals Initially in Study Early Deaths Survivors	10	10	10	10	10
Terminal Sacrifice Animals Examined Microscopically	10 10	10 10	10 10	10 10	10 10
ALIMENTA DV. OVOTEM					
ALIMENTARY SYSTEM					
Stomach, Glandular Mineralization	(10)	(0)	(0)	(0)	(0)
CARDIOVASCULAR SYSTEM					
None					
ENDOCRINE SYSTEM					
None					
GENERAL BODY SYSTEM					
None					
GENITAL SYSTEM					
Ovary	(10)	(0)	(0)	(0)	(0)
HEMATOPOIETIC SYSTEM					
None					

INTEGUMENTARY SYSTEM

None

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CAS Number: 80-56-8

Species/Strain: MICE/B6C3F1

Route: RESPIRATORY EXPOSURE WHOLE BODY

Pathologist: GRUMBEIN, S. - LIEUALLEN, W.

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B6C3F1 MICE FEMALE	control	25 ppm	50 ppm	100 ppm	200 ppm
MUSCULOSKELETAL SYSTEM					
None					
NERVOUS SYSTEM					
None					
RESPIRATORY SYSTEM					
Lung Alveolar Epithelium, Hyperplasia	(10)	(0)	(0)	(0)	(0)
SPECIAL SENSES SYSTEM					
None					
URINARY SYSTEM					
Kidney Nephropathy	(10) 2 (20%)	(10)	(10) 1 (10%)	(10)	(10)
Urinary Bladder Transitional Epithelium, Hyperplasia	(10)	(10)	(10)	(10) 6 (60%)	(10) 10 (100%)

a - Number of animals examined microscopically at site and number of animals with lesion

None

Route: RESPIRATORY EXPOSURE WHOLE BODY

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CAS Number: 80-56-8

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B6C3F1 MICE FEMALE	400 ppm	
Disposition Summary		
Animals Initially in Study Early Deaths	10	
Survivors Terminal Sacrifice Animals Examined Microscopically	10 10	
ALIMENTARY SYSTEM		
Stomach, Glandular Mineralization	(10) 1 (10%)	
CARDIOVASCULAR SYSTEM		
None		
ENDOCRINE SYSTEM		
None		
GENERAL BODY SYSTEM		
None		
GENITAL SYSTEM		
Ovary	(10)	
HEMATOPOIETIC SYSTEM		

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Route: RESPIRATORY EXPOSURE WHOLE BODY

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ALPHA-PINENE

ALFIIA-FIINEINE

CAS Number: 80-56-8

Species/Strain: MICE/B6C3F1 **Pathologist:** GRUMBEIN, S. - LIEUALLEN, W.

Date Report Reqsted: 11/17/2006 Time Report Reqsted: 07:28:41 First Dose M/F: 03/28/05 / 03/28/05

Lab: BNW

B6C3F1 MICE FEMALE	400 ppm
MUSCULOSKELETAL SYSTEM	
None	
NERVOUS SYSTEM	
None	
RESPIRATORY SYSTEM	
Lung Alveolar Epithelium, Hyperplasia	(10) 1 (10%)
SPECIAL SENSES SYSTEM	
None	
URINARY SYSTEM	
Kidney Nephropathy Urinary Bladder Transitional Epithelium, Hyperplasia	(10) 1 (10%) (10) 10 (100%)

*** END OF REPORT ***

a - Number of animals examined microscopically at site and number of animals with lesion