

Experiment Number: 97011-13
Test Type: 18-33 DAYS
Route: GAVAGE
Species/Strain: Mouse/FVB/N

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

Test Compound: Transgenic model evaluation (Melphalan)

CAS Number: 148-82-3

Date Report Requested: 10/20/2014

Time Report Requested: 04:58:08

First Dose M/F: NA / NA

Lab: MBA

C Number:	C97011M
Lock Date:	03/31/1999
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

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FVB/N Mouse MALE	VEHICLE CONTROL	1.0 MG/KG	2.0 MG/KG	4.0 MG/KG	8.0 MG/KG	16.0 MG/KG
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Moribund Sacrifice						7
Natural Death					1	1
Survivors						
Terminal Sacrifice	10	10	10	10	9	2
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Centrilobular, Necrosis, Focal					1 [1.0]	
Centrilobular, Sinusoid, Dilatation, Focal					1 [1.0]	6 [1.3]
Hepatocyte, Periportal, Vacuolization Cytoplasmic, Focal						2 [3.0]
Midzonal, Necrosis, Focal					1 [3.0]	1 [3.0]
Necrosis, Focal			1 [1.0]			
Periportal, Necrosis, Focal						1 [1.0]
Stomach, Forestomach	(10)	(10)	(10)	(10)	(10)	(10)
Hyperkeratosis, Diffuse						3 [1.7]
CARDIOVASCULAR SYSTEM						
None						
ENDOCRINE SYSTEM						
None						
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Epididymis	(0)	(0)	(0)	(1)	(0)	(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)

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FVB/N Mouse MALE	VEHICLE CONTROL	1.0 MG/KG	2.0 MG/KG	4.0 MG/KG	8.0 MG/KG	16.0 MG/KG
Developmental Malformation, Diffuse Testes	(0)	(0)	(0)	1 [4.0] (1)	(0)	(1)
Bilateral, Hypoplasia, Diffuse Hypoplasia, Diffuse				1 [4.0]		1 [4.0]
HEMATOPOIETIC SYSTEM						
Spleen	(10)	(10)	(10)	(10)	(10)	(10)
Hematopoietic Cell Proliferation	10 [1.0]	10 [1.0]	10 [1.7]	10 [2.0]	9 [3.1]	6 [2.8]
Lymph Follic, Depletion Cellular, Diffuse Pigmentation					1 [4.0]	9 [3.7]
Thymus	(10)	(10)	(10)	(10)	(10)	(8)
Atrophy, Diffuse				1 [2.0]	2 [3.0]	8 [3.8]
Atrophy, Focal					2 [1.0]	
INTEGUMENTARY SYSTEM						
Skin	(10)	(10)	(10)	(10)	(10)	(10)
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
None						
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
Kidney	(0)	(0)	(0)	(0)	(1)	(1)

END OF MALE DATA

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FVB/N Mouse FEMALE	VEHICLE CONTROL	1.0 MG/KG	2.0 MG/KG	4.0 MG/KG	8.0 MG/KG	16.0 MG/KG
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Moribund Sacrifice						1
Natural Death						1
Survivors						
Terminal Sacrifice	10	10	10	10	10	8
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Intestine Small, Duodenum	(0)	(0)	(0)	(0)	(0)	(1)
Intestine Small, Ileum	(0)	(0)	(0)	(0)	(0)	(1)
Intestine Small, Jejunum	(0)	(0)	(0)	(0)	(0)	(1)
Liver	(10)	(10)	(10)	(10)	(10)	(9)
Centrilobular, Hepatocyte, Vacuolization Cytoplasmic, Focal	1 [1.0]					
Centrilobular, Sinusoid, Dilatation, Focal						2 [1.0]
Hematopoietic Cell Proliferation				1 [1.0]	1 [1.0]	
Hepatocyte, Necrosis, Focal				1 [1.0]		
Hepatocyte, Vacuolization Cytoplasmic, Diffuse						1 [3.0]
Inflammation, Focal	1 [1.0]					
Necrosis, Focal					1 [1.0]	
Stomach, Forestomach	(10)	(10)	(10)	(10)	(10)	(10)
Epithelium, Degeneration, Focal						1 [3.0]
Hyperkeratosis, Diffuse						2 [2.0]
CARDIOVASCULAR SYSTEM						
None						
ENDOCRINE SYSTEM						

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None						
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
None						
HEMATOPOIETIC SYSTEM						
Spleen	(10)	(10)	(10)	(10)	(10)	(9)
Hematopoietic Cell Proliferation	10 [2.0]	10 [1.8]	10 [2.3]	10 [2.7]	10 [2.8]	9 [2.7]
Lymph Follic, Depletion Cellular, Diffuse Pigmentation					1 [3.0]	3 [3.3]
Thymus	(10)	(10)	(10)	(10)	(10)	(8)
Atrophy, Diffuse				1 [2.0]	1 [4.0]	5 [3.4]
INTEGUMENTARY SYSTEM						
Skin	(10)	(10)	(10)	(10)	(10)	(10)
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
None						
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
Kidney	(0)	(0)	(0)	(1)	(1)	(1)

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Bilateral, Inflammation, Chronic Active, Focal				1 [3.0]		

**** END OF REPORT ****

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