

Experiment Number: 97011-25
Test Type: 26-WEEK
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: 04:55:52

First Dose M/F: NA / NA

Lab: MBA

C Number:	C97011D
Lock Date:	07/21/2000
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	4.0	MG/KG
Disposition Summary			
Animals Initially In Study	15		15
Early Deaths			
Moribund Sacrifice			1
Natural Death	1		
Survivors			
Terminal Sacrifice	14		14
Animals Examined Microscopically	15		15
ALIMENTARY SYSTEM			
Intestine Large, Cecum	(14)		(15)
Intestine Large, Colon	(15)		(15)
Intestine Large, Rectum	(14)		(15)
Intestine Small, Duodenum	(14)		(15)
Epithelium, Necrosis			15 [2.5]
Intestine Small, Ileum	(14)		(14)
Epithelium, Necrosis			14 [2.5]
Intestine Small, Jejunum	(15)		(14)
Epithelium, Necrosis			14 [2.5]
Liver	(15)		(15)
Hepatocyte, Necrosis, Focal			2 [1.0]
Hepatocyte, Vacuolization Cytoplasmic, Focal	1 [2.0]		
Stomach, Forestomach	(15)		(15)
Stomach, Glandular	(14)		(15)
CARDIOVASCULAR SYSTEM			
Heart	(15)		(15)
ENDOCRINE SYSTEM			
Adrenal Cortex	(14)		(15)

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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Lab: MBA

FVB/N Mouse MALE	VEHICLE CONTROL	4.0	MG/KG
Atrophy	14 [2.4]	15 [3.5]	
Hypertrophy, Focal	7 [1.0]	13 [1.0]	
Metaplasia, Osseous	1 [1.0]		
Zona Reticul, Vacuolization Cytoplasmic, Focal	3 [1.0]		
Adrenal Medulla	(14)	(15)	
Atrophy		1 [3.0]	
Pituitary Gland	(14)	(15)	
Thyroid Gland	(15)	(15)	

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Epididymis	(15)	(15)	
Testes	(15)	(15)	
Cyst	1 [3.0]		
Germinal Epith, Degeneration, Diffuse		15 [4.0]	

HEMATOPOIETIC SYSTEM

Bone Marrow	(15)	(15)	
Hyperplasia		1 [2.0]	
Lymph Node, Mandibular	(15)	(15)	
Lymph Node, Mediastinal	(14)	(13)	
Lymph Node, Mesenteric	(15)	(14)	
Spleen	(15)	(15)	
Hematopoietic Cell Proliferation	15 [1.5]	15 [2.2]	
Hyperplasia, Lymphoid	1 [2.0]		
Pigmentation	12 [1.0]	14 [1.0]	
Thymus	(14)	(15)	
Atrophy, Diffuse		1 [3.0]	

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Lab: MBA

FVB/N Mouse MALE	VEHICLE CONTROL	4.0	MG/KG
INTEGUMENTARY SYSTEM			
Mammary Gland	(1)	(0)	
Skin	(15)	(15)	
MUSCULOSKELETAL SYSTEM			
None			
NERVOUS SYSTEM			
None			
RESPIRATORY SYSTEM			
Lung	(15)	(15)	
Alveolar Epith, Hyperplasia, Focal		8 [1.1]	
Fibrosis, Focal		1 [1.0]	
Perivascular, Inflammation	2 [1.0]		
SPECIAL SENSES SYSTEM			
None			
URINARY SYSTEM			
Kidney	(15)	(15)	
Renal Tubule, Dilatation, Diffuse	1 [2.0]	2 [1.5]	
Renal Tubule, Dilatation, Focal	4 [1.3]		

END OF MALE DATA

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FVB/N Mouse FEMALE	VEHICLE CONTROL	4.0	MG/KG
Disposition Summary			
Animals Initially In Study	15		15
Early Deaths			
Natural Death			1
Survivors			
Terminal Sacrifice	15		14
Animals Examined Microscopically	15		15
ALIMENTARY SYSTEM			
Esophagus	(1)		(0)
Intestine Large, Cecum	(15)		(14)
Intestine Large, Colon	(15)		(14)
Intestine Large, Rectum	(15)		(14)
Intestine Small, Duodenum	(15)		(14)
Epithelium, Necrosis			14 [2.1]
Intestine Small, Ileum	(15)		(14)
Epithelium, Necrosis			14 [2.1]
Intestine Small, Jejunum	(15)		(14)
Epithelium, Necrosis			14 [2.1]
Liver	(15)		(14)
Hepatocyte, Necrosis, Focal	8 [1.0]		2 [1.0]
Hepatocyte, Vacuolization Cytoplasmic, Focal	1 [1.0]		2 [1.0]
Stomach, Forestomach	(15)		(14)
Stomach, Glandular	(15)		(14)
CARDIOVASCULAR SYSTEM			
Heart	(15)		(15)
ENDOCRINE SYSTEM			
Adrenal Cortex	(15)		(15)

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FVB/N Mouse FEMALE	VEHICLE CONTROL	4.0 MG/KG
Atrophy	2 [1.0]	1 [2.0]
Hypertrophy, Focal	1 [1.0]	
Subcapsular, Hyperplasia, Focal	7 [1.0]	5 [1.0]
Zona Reticul, Vacuolization Cytoplasmic, Diffuse	3 [2.0]	4 [2.3]
Zona Reticul, Vacuolization Cytoplasmic, Focal	10 [1.3]	10 [1.6]
Adrenal Medulla	(15)	(15)
Pituitary Gland	(15)	(14)
Thyroid Gland	(15)	(15)
Cyst	1 [1.0]	

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Ovary	(15)	(15)
Atrophy	1 [1.0]	15 [3.7]
Cyst	1 [1.0]	
Inflammation	1 [1.0]	
Uterus	(15)	(14)
Endometrium, Hyperplasia, Cystic	14 [1.5]	14 [2.3]

HEMATOPOIETIC SYSTEM

Bone Marrow	(15)	(14)
Lymph Node, Mandibular	(15)	(15)
Lymph Node, Mediastinal	(12)	(14)
Lymph Node, Mesenteric	(15)	(14)
Spleen	(15)	(14)
Hematopoietic Cell Proliferation	15 [1.8]	14 [2.5]
Pigmentation	15 [1.0]	14 [1.0]
Thymus	(15)	(14)

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Thymus	(15)	(14)	
INTEGUMENTARY SYSTEM			
Mammary Gland	(15)	(14)	
Skin	(15)	(15)	
MUSCULOSKELETAL SYSTEM			
None			
NERVOUS SYSTEM			
None			
RESPIRATORY SYSTEM			
Lung	(15)	(15)	
Alveolar Epith, Hyperplasia, Focal		3 [1.0]	
Alveolus, Hyperplasia, Histiocytic, Focal		1 [2.0]	
Perivascular, Infiltration Cellular, Lymphocyte		1 [2.0]	
SPECIAL SENSES SYSTEM			
None			
URINARY SYSTEM			
Kidney	(15)	(14)	
Renal Tubule, Dilatation, Focal	1 [1.0]	3 [1.0]	

**** END OF REPORT ****

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)