

Experiment Number: 97011-23
Test Type: 26-WEEK
Route: SKIN APPLICATION
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: 04:53:41

First Dose M/F: NA / NA

Lab: MBA

C Number:	C97011C
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		4
Survivors			
Terminal Sacrifice	14		10
Animals Examined Microscopically	15		15
ALIMENTARY SYSTEM			
Intestine Large, Cecum	(14)		(13)
Intestine Large, Colon	(14)		(13)
Intestine Large, Rectum	(14)		(13)
Intestine Small, Duodenum	(14)		(13)
Epithelium, Necrosis			9 [2.9]
Intestine Small, Ileum	(14)		(12)
Epithelium, Necrosis			8 [2.5]
Intestine Small, Jejunum	(14)		(12)
Epithelium, Necrosis			8 [2.5]
Liver	(15)		(15)
Hepatocyte, Necrosis, Focal	1 [1.0]		2 [1.0]
Infiltration Cellular, Polymorphnuclr, Focal	1 [1.0]		
Pancreas	(0)		(1)
Stomach, Forestomach	(14)		(15)
Stomach, Glandular	(14)		(15)
Tooth	(0)		(7)
Inflammation, Chronic Active, Diffuse			1 [4.0]
CARDIOVASCULAR SYSTEM			
Heart	(15)		(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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ENDOCRINE SYSTEM			
Adrenal Cortex	(14)	(15)	
Atrophy	14 [2.4]	15 [3.1]	
Hypertrophy, Focal	4 [1.0]	12 [1.0]	
Zona Reticul, Vacuolization Cytoplasmic, Focal	2 [1.0]	3 [1.0]	
Adrenal Medulla	(14)	(15)	
Pituitary Gland	(13)	(13)	
Thyroid Gland	(14)	(15)	
Cyst, Focal		1 [1.0]	
GENERAL BODY SYSTEM			
None			
GENITAL SYSTEM			
Epididymis	(15)	(15)	
Penis	(0)	(1)	
Testes	(15)	(15)	
Germinal Epith, Degeneration	2 [1.5]	15 [4.0]	
HEMATOPOIETIC SYSTEM			
Bone Marrow	(14)	(14)	
Lymph Node	(0)	(1)	
Lymph Node, Mandibular	(15)	(15)	
Lymph Node, Mediastinal	(13)	(11)	
Lymph Node, Mesenteric	(15)	(13)	
Spleen	(14)	(15)	
Hematopoietic Cell Proliferation	14 [1.5]	11 [2.1]	
Lymph Follic, Depletion Cellular		3 [3.0]	
Pigmentation	10 [1.0]	9 [1.1]	
Thymus	(14)	(14)	

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Atrophy, Diffuse		4	[4.0]
Atrophy, Focal		1	[2.0]
INTEGUMENTARY SYSTEM			
Skin	(15)	(15)	
Epidermis, Hyperplasia, Focal	1	[1.0]	
Subcut Tiss, Inflammation, Chronic Active, Focal		1	[4.0]
MUSCULOSKELETAL SYSTEM			
None			
NERVOUS SYSTEM			
None			
RESPIRATORY SYSTEM			
Lung	(15)	(15)	
Alveolar Epith, Hyperplasia, Focal		5	[1.8]
Alveolus, Inflammation, Chronic Active, Focal		3	[1.0]
Inflammation, Chronic Active, Focal		1	[1.0]
Perivascular, Infiltration Cellular, Lymphocyte, Focal	1	[1.0]	
SPECIAL SENSES SYSTEM			
Eye	(0)	(1)	
Retrolbulbar, Inflammation, Chronic Active, Focal		1	[4.0]
URINARY SYSTEM			
Kidney	(14)	(15)	
Renal Tubule, Degeneration, Focal	1	[1.0]	
Renal Tubule, Dilatation, Diffuse		2	[2.0]
Renal Tubule, Dilatation, Focal	4	[1.0]	2 [2.0]

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FVB/N Mouse MALE

VEHICLE CONTROL

4.0 MG/KG

END OF MALE DATA

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 Lab: MBA

FVB/N Mouse FEMALE	VEHICLE CONTROL	4.0	MG/KG
Disposition Summary			
Animals Initially In Study	15		15
Early Deaths			
Survivors			
Terminal Sacrifice	15		15
Animals Examined Microscopically	15		15
ALIMENTARY SYSTEM			
Intestine Large, Cecum	(15)		(15)
Intestine Large, Colon	(15)		(15)
Intestine Large, Rectum	(15)		(15)
Intestine Small, Duodenum	(15)		(15)
Epithelium, Necrosis			15 [2.7]
Intestine Small, Ileum	(15)		(15)
Epithelium, Necrosis			15 [1.9]
Intestine Small, Jejunum	(15)		(15)
Epithelium, Necrosis			15 [2.5]
Liver	(15)		(15)
Hepatocyte, Necrosis, Focal	8 [1.0]		1 [1.0]
Hepatocyte, Vacuolization Cytoplasmic, Focal			1 [2.0]
Stomach, Forestomach	(15)		(15)
Stomach, Glandular	(15)		(15)
CARDIOVASCULAR SYSTEM			
Heart	(15)		(15)
ENDOCRINE SYSTEM			
Adrenal Cortex	(15)		(14)
Hypertrophy, Focal			1 [1.0]
Subcapsular, Hyperplasia, Focal	10 [1.1]		3 [1.0]

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Zona Reticul, Vacuolization Cytoplasmic, Diffuse	4 [2.8]	2 [2.0]	
Zona Reticul, Vacuolization Cytoplasmic, Focal	8 [1.8]	10 [1.4]	
Adrenal Medulla	(15)	(15)	
Pituitary Gland	(15)	(15)	
Thyroid Gland	(15)	(15)	

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Ovary	(15)	(15)	
Necrosis	1 [4.0]		
Periovarn Tiss, Hemorrhage, Focal		1 [1.0]	
Rete Ovarii, Cyst	1 [4.0]		
Uterus	(15)	(15)	
Endometrium, Hyperplasia, Cystic	10 [1.3]	11 [1.5]	
Hydrometra	3 [3.0]		

HEMATOPOIETIC SYSTEM

Bone Marrow	(15)	(15)	
Lymph Node, Mandibular	(15)	(15)	
Lymph Node, Mediastinal	(15)	(15)	
Lymph Node, Mesenteric	(15)	(15)	
Spleen	(15)	(15)	
Hematopoietic Cell Proliferation	15 [1.8]	15 [2.5]	
Pigmentation	15 [1.1]	15 [1.0]	
Thymus	(15)	(15)	
Atrophy, Focal		2 [1.0]	

INTEGUMENTARY SYSTEM

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Mammary Gland	(15)	(15)	
Skin	(15)	(15)	
Epidermis, SOA, Hyperplasia, Focal	1 [1.0]		
MUSCULOSKELETAL SYSTEM			
None			
NERVOUS SYSTEM			
None			
RESPIRATORY SYSTEM			
Lung	(15)	(15)	
Alveolar Epith, Hyperplasia, Focal	2 [1.0]	7 [1.4]	
Alveolus, Inflammation, Chronic Active, Focal		2 [1.0]	
SPECIAL SENSES SYSTEM			
None			
URINARY SYSTEM			
Kidney	(15)	(15)	
Renal Tubule, Dilatation, Diffuse	1 [2.0]		
Renal Tubule, Dilatation, Focal	1 [1.0]	1 [1.0]	

**** END OF REPORT ****

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