

Experiment Number: 97011-23
Test Type: 26-WEEK
Route: SKIN APPLICATION
Species/Strain: Mouse/FVB/N

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

Test Compound: Transgenic model evaluation (Melphalan)

CAS Number: 148-82-3

Date Report Requested: 10/20/2014

Time Report Requested: 04:54:02

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 (69%)
Intestine Small, Ileum	(14)		(12)
Epithelium, Necrosis			8 (67%)
Intestine Small, Jejunum	(14)		(12)
Epithelium, Necrosis			8 (67%)
Liver	(15)		(15)
Hepatocyte, Necrosis, Focal	1 (7%)		2 (13%)
Infiltration Cellular, Polymorphnuclr, Focal	1 (7%)		
Pancreas	(0)		(1)
Stomach, Forestomach	(14)		(15)
Stomach, Glandular	(14)		(15)
Tooth	(0)		(7)
Inflammation, Chronic Active, Diffuse			1 (14%)

CARDIOVASCULAR SYSTEM

Heart	(15)		(15)
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a - Number of animals examined microscopically at site and number of animals with lesion

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ENDOCRINE SYSTEM		
Adrenal Cortex	(14)	(15)
Atrophy	14 (100%)	15 (100%)
Hypertrophy, Focal	4 (29%)	12 (80%)
Zona Reticul, Vacuolization Cytoplasmic, Focal	2 (14%)	3 (20%)
Adrenal Medulla	(14)	(15)
Pituitary Gland	(13)	(13)
Thyroid Gland	(14)	(15)
Cyst, Focal		1 (7%)
GENERAL BODY SYSTEM		
None		
GENITAL SYSTEM		
Epididymis	(15)	(15)
Penis	(0)	(1)
Testes	(15)	(15)
Germinal Epith, Degeneration	2 (13%)	15 (100%)
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 (100%)	11 (73%)
Lymph Follic, Depletion Cellular		3 (20%)
Pigmentation	10 (71%)	9 (60%)
Thymus	(14)	(14)
Atrophy, Diffuse		4 (29%)

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FVB/N Mouse MALE	VEHICLE CONTROL	4.0	MG/KG
Atrophy, Focal		1 (7%)	
INTEGUMENTARY SYSTEM			
Skin	(15)	(15)	
Epidermis, Hyperplasia, Focal	1 (7%)		
Subcut Tiss, Inflammation, Chronic Active, Focal		1 (7%)	
MUSCULOSKELETAL SYSTEM			
None			
NERVOUS SYSTEM			
None			
RESPIRATORY SYSTEM			
Lung	(15)	(15)	
Alveolar Epith, Hyperplasia, Focal		5 (33%)	
Alveolus, Inflammation, Chronic Active, Focal		3 (20%)	
Inflammation, Chronic Active, Focal		1 (7%)	
Perivascular, Infiltration Cellular, Lymphocyte, Focal	1 (7%)		
SPECIAL SENSES SYSTEM			
Eye	(0)	(1)	
Retrolbulbar, Inflammation, Chronic Active, Focal		1 (100%)	
URINARY SYSTEM			
Kidney	(14)	(15)	
Renal Tubule, Degeneration, Focal	1 (7%)		
Renal Tubule, Dilatation, Diffuse		2 (13%)	
Renal Tubule, Dilatation, Focal	4 (29%)	2 (13%)	

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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		
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 (100%)
Intestine Small, Ileum	(15)	(15)
Epithelium, Necrosis		15 (100%)
Intestine Small, Jejunum	(15)	(15)
Epithelium, Necrosis		15 (100%)
Liver	(15)	(15)
Hepatocyte, Necrosis, Focal	8 (53%)	1 (7%)
Hepatocyte, Vacuolization Cytoplasmic, Focal		1 (7%)
Stomach, Forestomach	(15)	(15)
Stomach, Glandular	(15)	(15)
CARDIOVASCULAR SYSTEM		
Heart	(15)	(15)
ENDOCRINE SYSTEM		
Adrenal Cortex	(15)	(14)
Hypertrophy, Focal		1 (7%)
Subcapsular, Hyperplasia, Focal	10 (67%)	3 (21%)

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Zona Reticul, Vacuolization Cytoplasmic, Diffuse	4 (27%)	2 (14%)
Zona Reticul, Vacuolization Cytoplasmic, Focal	8 (53%)	10 (71%)
Adrenal Medulla	(15)	(15)
Pituitary Gland	(15)	(15)
Thyroid Gland	(15)	(15)
GENERAL BODY SYSTEM		
None		
GENITAL SYSTEM		
Ovary	(15)	(15)
Necrosis	1 (7%)	
Periovarn Tiss, Hemorrhage, Focal		1 (7%)
Rete Ovarii, Cyst	1 (7%)	
Uterus	(15)	(15)
Endometrium, Hyperplasia, Cystic	10 (67%)	11 (73%)
Hydrometra	3 (20%)	
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 (100%)	15 (100%)
Pigmentation	15 (100%)	15 (100%)
Thymus	(15)	(15)
Atrophy, Focal		2 (13%)
INTEGUMENTARY SYSTEM		
Mammary Gland	(15)	(15)

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FVB/N Mouse FEMALE	VEHICLE CONTROL	4.0 MG/KG
Skin	(15)	(15)
Epidermis, SOA, Hyperplasia, Focal	1 (7%)	
MUSCULOSKELETAL SYSTEM		
None		
NERVOUS SYSTEM		
None		
RESPIRATORY SYSTEM		
Lung	(15)	(15)
Alveolar Epith, Hyperplasia, Focal	2 (13%)	7 (47%)
Alveolus, Inflammation, Chronic Active, Focal		2 (13%)
SPECIAL SENSES SYSTEM		
None		
URINARY SYSTEM		
Kidney	(15)	(15)
Renal Tubule, Dilatation, Diffuse	1 (7%)	
Renal Tubule, Dilatation, Focal	1 (7%)	1 (7%)

**** END OF REPORT ****

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