

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

**P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)**  
**Test Compound:** Transgenic model evaluation (Melphalan)  
**CAS Number:** 148-82-3

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:53:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

<b>C Number:</b>	C97011C
<b>Lock Date:</b>	07/21/2000
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	NONE

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FVB/N Mouse MALE	VEHICLE CONTROL	4.0	MG/KG
<b>Disposition Summary</b>			
<b>Animals Initially In Study</b>	<b>15</b>		<b>15</b>
<b>Early Deaths</b>			
<b>Moribund Sacrifice</b>			<b>1</b>
<b>Natural Death</b>	<b>1</b>		<b>4</b>
<b>Survivors</b>			
<b>Terminal Sacrifice</b>	<b>14</b>		<b>10</b>
<b>Animals Examined Microscopically</b>	<b>15</b>		<b>15</b>
<b>ALIMENTARY SYSTEM</b>			
Intestine Large, Cecum	(14)		(13)
Intestine Large, Colon	(14)		(13)
Intestine Large, Rectum	(14)		(13)
Intestine Small, Duodenum	(14)		(13)
Intestine Small, Ileum	(14)		(12)
Intestine Small, Jejunum	(14)		(12)
Liver	(15)		(15)
Lymphoma Malignant			3 (20%)
Pancreas	(0)		(1)
Stomach, Forestomach	(14)		(15)
Stomach, Glandular	(14)		(15)
Tooth	(0)		(7)
<b>CARDIOVASCULAR SYSTEM</b>			
Heart	(15)		(15)
Lymphoma Malignant			2 (13%)
<b>ENDOCRINE SYSTEM</b>			
Adrenal Cortex	(14)		(15)

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

b - Primary tumors: all tumors except metastatic tumors

\* Number of animals with any tissue examined microscopically

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<b>FVB/N Mouse MALE</b>	<b>VEHICLE CONTROL</b>	<b>4.0 MG/KG</b>
Adrenal Medulla	(14)	(15)
Pituitary Gland	(13)	(13)
Thyroid Gland	(14)	(15)
<b>GENERAL BODY SYSTEM</b>		
None		
<b>GENITAL SYSTEM</b>		
Epididymis	(15)	(15)
Penis	(0)	(1)
Testes	(15)	(15)
<b>HEMATOPOIETIC SYSTEM</b>		
Bone Marrow	(14)	(14)
Lymphoma Malignant		1 (7%)
Lymph Node	(0)	(1)
Lymphoma Malignant		1 (100%)
Lymph Node, Mandibular	(15)	(15)
Lymphoma Malignant		1 (7%)
Lymph Node, Mediastinal	(13)	(11)
Lymphoma Malignant		2 (18%)
Lymph Node, Mesenteric	(15)	(13)
Lymphoma Malignant		1 (8%)
Spleen	(14)	(15)
Lymphoma Malignant		4 (27%)
Thymus	(14)	(14)
Lymphoma Malignant		5 (36%)
<b>INTEGUMENTARY SYSTEM</b>		
Skin	(15)	(15)

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FVB/N Mouse MALE	VEHICLE CONTROL	4.0	MG/KG
<hr/>			
MUSCULOSKELETAL SYSTEM			
None			
<hr/>			
NERVOUS SYSTEM			
None			
<hr/>			
RESPIRATORY SYSTEM			
Lung	(15)	(15)	
Alveolar/Bronchiolar Adenoma		4 (27%)	
Alveolar/Bronchiolar Adenoma, Multiple		1 (7%)	
Alveolar/Bronchiolar Carcinoma		1 (7%)	
Lymphoma Malignant		3 (20%)	
<hr/>			
SPECIAL SENSES SYSTEM			
Eye	(0)	(1)	
<hr/>			
URINARY SYSTEM			
Kidney	(14)	(15)	
Lymphoma Malignant		4 (27%)	
<hr/>			
SYSTEMIC LESIONS			
Multiple Organ	*(15)	*(15)	
Lymphoma Malignant		5 (33%)	
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\* Number of animals with any tissue examined microscopically

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<b>FVB/N Mouse MALE</b>	<b>VEHICLE CONTROL</b>	<b>4.0</b>	<b>MG/KG</b>
<b>Tumor Summary for MALE</b>			
<b>Total Animals with Primary Neoplasms (b)</b>			<b>9</b>
<b>Total Primary Neoplasms</b>			<b>11</b>
<b>Total Animals with Benign Neoplasms</b>			<b>5</b>
<b>Total Benign Neoplasms</b>			<b>5</b>
<b>Total Animals with Malignant Neoplasms</b>			<b>6</b>
<b>Total Malignant Neoplasms</b>			<b>6</b>
<b>Total Animals with Metastatic Neoplasms</b>			
<b>Total Metastatic Neoplasms</b>			
<b>Total Animals with Malignant Neoplasms Uncertain Primary Site</b>			
<b>Total Animals with Neoplasms Uncertain - Benign or Malignant</b>			
<b>Total Uncertain Neoplasms</b>			

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\*\*\*END OF MALE DATA\*\*\*

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

b - Primary tumors: all tumors except metastatic tumors

\* Number of animals with any tissue examined microscopically

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FVB/N Mouse FEMALE	VEHICLE CONTROL	4.0	MG/KG
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<b>Disposition Summary</b>			
Animals Initially In Study	15		15
Early Deaths			
Survivors			
Terminal Sacrifice	15		15
Animals Examined Microscopically	15		15

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<b>ALIMENTARY SYSTEM</b>			
Intestine Large, Cecum	(15)		(15)
Intestine Large, Colon	(15)		(15)
Intestine Large, Rectum	(15)		(15)
Intestine Small, Duodenum	(15)		(15)
Intestine Small, Ileum	(15)		(15)
Intestine Small, Jejunum	(15)		(15)
Liver	(15)		(15)
Stomach, Forestomach	(15)		(15)
Stomach, Glandular	(15)		(15)

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<b>CARDIOVASCULAR SYSTEM</b>			
Heart	(15)		(15)

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<b>ENDOCRINE SYSTEM</b>			
Adrenal Cortex	(15)		(14)
Adrenal Medulla	(15)		(15)
Pituitary Gland	(15)		(15)
Thyroid Gland	(15)		(15)

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<b>GENERAL BODY SYSTEM</b>			
None			

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<b>GENITAL SYSTEM</b>			
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<b>FVB/N Mouse FEMALE</b>	<b>VEHICLE CONTROL</b>	<b>4.0 MG/KG</b>
Ovary	(15)	(15)
Uterus	(15)	(15)
<b>HEMATOPOIETIC SYSTEM</b>		
Bone Marrow	(15)	(15)
Lymph Node, Mandibular	(15)	(15)
Lymph Node, Mediastinal	(15)	(15)
Lymph Node, Mesenteric	(15)	(15)
Spleen	(15)	(15)
Thymus	(15)	(15)
<b>INTEGUMENTARY SYSTEM</b>		
Mammary Gland	(15)	(15)
Skin	(15)	(15)
<b>MUSCULOSKELETAL SYSTEM</b>		
None		
<b>NERVOUS SYSTEM</b>		
None		
<b>RESPIRATORY SYSTEM</b>		
Lung	(15)	(15)
Alveolar/Bronchiolar Adenoma	1 (7%)	2 (13%)
Alveolar/Bronchiolar Adenoma, Multiple		2 (13%)
Carcinoma, Metastatic, Uncertain Primary Site		1 (7%)
<b>SPECIAL SENSES SYSTEM</b>		
None		
<b>URINARY SYSTEM</b>		

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<b>FVB/N Mouse FEMALE</b>	<b>VEHICLE CONTROL</b>	<b>4.0</b>	<b>MG/KG</b>
Kidney	(15)	(15)	

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<b>FVB/N Mouse FEMALE</b>	<b>VEHICLE CONTROL</b>	<b>4.0</b>	<b>MG/KG</b>
<b>Tumor Summary for FEMALE</b>			
<b>Total Animals with Primary Neoplasms (b)</b>	<b>1</b>		<b>4</b>
<b>Total Primary Neoplasms</b>	<b>1</b>		<b>4</b>
<b>Total Animals with Benign Neoplasms</b>	<b>1</b>		<b>4</b>
<b>Total Benign Neoplasms</b>	<b>1</b>		<b>4</b>
<b>Total Animals with Malignant Neoplasms</b>			
<b>Total Malignant Neoplasms</b>			
<b>Total Animals with Metastatic Neoplasms</b>			<b>1</b>
<b>Total Metastatic Neoplasms</b>			<b>1</b>
<b>Total Animals with Malignant Neoplasms Uncertain Primary Site</b>			<b>1</b>
<b>Total Animals with Neoplasms Uncertain - Benign or Malignant</b>			
<b>Total Uncertain Neoplasms</b>			

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**\*\* END OF REPORT \*\***

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b - Primary tumors: all tumors except metastatic tumors

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