

**Experiment Number:** 97011-25  
**Test Type:** 26-WEEK  
**Route:** GAVAGE  
**Species/Strain:** Mouse/FVB/N

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
**Test Compound:** Transgenic model evaluation (Melphalan)  
**CAS Number:** 148-82-3

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:57:44  
**First Dose M/F:** NA / NA  
**Lab:** MBA

<b>C Number:</b>	C97011D
<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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 First Dose M/F: NA / NA  
 Lab: MBA

FVB/N Mouse Male VEHICLE CONTROL	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	6
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	9
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	
																<b>*TOTALS</b>

**Alimentary System**

Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	14
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	14
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	14
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	14
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Hepatocyte, Vacuolization Cytoplasmic, Focal															2	1 2.0
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	14

**Cardiovascular System**

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
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**Endocrine System**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	14
Atrophy	3	3	2	2	3	2	2	2	3	3	2	2	3	2		14 2.4
Hypertrophy, Focal	1	1			1		1		1	1	1					7 1.0
Metaplasia, Osseous										1						1 1.0
Zona Reticul, Vacuolization Cytoplasmic, Focal					1	1							1			3 1.0
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	14

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

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M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

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 First Dose M/F: NA / NA  
 Lab: MBA

FVB/N Mouse Male VEHICLE CONTROL	DAY ON TEST															*TOTALS
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	8	8	8	8	8	8	8	8	8	8	8	8	8	8	6	
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	9	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	14
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
<b>General Body System</b>																
NONE																
<b>Genital System</b>																
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Cyst										3						1 3.0
<b>Hematopoietic System</b>																
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Lymph Node, Mediastinal	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	14
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Hematopoietic Cell Proliferation	2	1	2	2	2	1	1	2	2	1	2	2	1	1	1	15 1.5
Hyperplasia, Lymphoid								2								1 2.0
Pigmentation	1	1	1	1	1	1	1	1	1		1	1		1		12 1.0
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	14
<b>Integumentary System</b>																
Mammary Gland	M	M	M	M	+	M	M	M	M	M	M	M	M	M	M	1
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15

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 Species/Strain: Mouse/FVB/N

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 CAS Number: 148-82-3

Date Report Requested: 10/20/2014  
 Time Report Requested: 04:57:45  
 First Dose M/F: NA / NA  
 Lab: MBA

FVB/N Mouse Male VEHICLE CONTROL	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*TOTALS
	ANIMAL ID	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Skin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Musculoskeletal System	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Nervous System	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	6	
Respiratory System	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	9	
Lung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Perivascular, Inflammation	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2 1.0
Special Senses System	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	
Urinary System	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5		
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Renal Tubule, Dilatation, Diffuse					2												1 2.0
Renal Tubule, Dilatation, Focal	2	1						1					1				4 1.3

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 First Dose M/F: NA / NA  
 Lab: MBA

**FVB/N Mouse Male**  
**4.0 MG/KG**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	8	8	8	8	8	8	8	4	8	8	8	8	8	8	8
	7	7	7	7	7	7	7	8	7	7	7	7	7	7	7
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	4	4	4	4	5	5	5	5	5	5	5	5	5	5	6
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
	<b>*TOTALS</b>														

**Alimentary System**

Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15	
Epithelium, Necrosis	2	3	2	2	2	3	3	2	2	2	3	3	3	3	2	15	2.5
Intestine Small, Ileum	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	14	
Epithelium, Necrosis	2	3	2	2	2	3	3		2	2	3	3	3	3	2	14	2.5
Intestine Small, Jejunum	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	14	
Epithelium, Necrosis	2	3	2	2	2	3	3		2	2	3	3	3	3	2	14	2.5
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15	
Hepatocyte, Necrosis, Focal								1							1	2	1.0
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15	

**Cardiovascular System**

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
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**Endocrine System**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15	
Atrophy	3	4	3	3	4	4	4	4	4	4	3	3	3	3	3	15	3.5
Hypertrophy, Focal	1		1	1	1	1	1	1	1	1	1	1	1	1		13	1.0
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15	

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Date Report Requested: 10/20/2014  
 Time Report Requested: 04:57:45  
 First Dose M/F: NA / NA  
 Lab: MBA

FVB/N Mouse Male 4.0 MG/KG	DAY ON TEST															*TOTALS		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3.0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3			
	4	4	4	4	5	5	5	5	5	5	5	5	5	5	6			
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0			
Atrophy	3															1	3.0	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15		
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15		
<b>General Body System</b>																		
NONE																		
<b>Genital System</b>																		
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15		
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15		
Germinal Epith, Degeneration, Diffuse	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	15	4.0	
<b>Hematopoietic System</b>																		
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15		
Hyperplasia																2	1	2.0
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15		
Lymph Node, Mediastinal	M	M	+	+	+	+	+	+	+	+	+	+	+	+	+	13		
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	14		
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15		
Hematopoietic Cell Proliferation	2	2	2	2	3	2	2	2	2	3	3	3	2	2	1	15	2.2	
Pigmentation	1	1	1	1	1	1	1		1	1	1	1	1	1	1	14	1.0	
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15		
Atrophy, Diffuse																3	1	3.0
<b>Integumentary System</b>																		

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
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 First Dose M/F: NA / NA  
 Lab: MBA

**FVB/N Mouse Male**  
**4.0 MG/KG**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	8	8	8	8	8	8	8	4	8	8	8	8	8	8	8
	7	7	7	7	7	7	7	8	7	7	7	7	7	7	7
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	4	4	4	4	5	5	5	5	5	5	5	5	5	5	6
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
	<b>*TOTALS</b>														

**Integumentary System**

Mammary Gland	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	0
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15

**Musculoskeletal System**

NONE

**Nervous System**

NONE

**Respiratory System**

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15	
Alveolar Epith, Hyperplasia, Focal			1	1		1		1		1		2	1	1		8	1.1
Fibrosis, Focal				1												1	1.0

**Special Senses System**

NONE

**Urinary System**

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15	
Renal Tubule, Dilatation, Diffuse				1	2											2	1.5

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

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 Lab: MBA

FVB/N Mouse Female VEHICLE CONTROL	DAY ON TEST																
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
ANIMAL ID	1	1	1	1	1	1	1	1	1	1	1	1	1	1	*TOTALS		
	8	8	8	8	8	8	8	8	8	8	8	8	8	8			
	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
Zona Reticul, Vacuolization Cytoplasmic, Diffuse	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2.0	
Zona Reticul, Vacuolization Cytoplasmic, Focal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	1.3	
Adrenal Medulla	3	3	3	3	3	3	3	3	3	3	3	3	3	3	15		
Pituitary Gland	6	6	6	6	6	6	6	6	6	6	6	6	6	6	15		
Thyroid Gland	1	2	3	4	5	6	7	8	9	0	1	2	3	4	15		
Cyst						1									1	1.0	
<b>General Body System</b>																	
NONE																	
<b>Genital System</b>																	
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15		
Atrophy			1												1	1.0	
Cyst										1					1	1.0	
Inflammation					1										1	1.0	
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15		
Endometrium, Hyperplasia, Cystic		1	1	1	1	2	3	1	2	3	1	1	1	2	14	1.5	
<b>Hematopoietic System</b>																	
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15		
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15		
Lymph Node, Mediastinal	+	+	+	+	+	I	M	+	+	M	+	+	+	+	12		
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15		

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 Lab: MBA

FVB/N Mouse Female VEHICLE CONTROL	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*TOTALS
	ANIMAL ID	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Spleen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Hematopoietic Cell Proliferation	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15 1.8
Pigmentation	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	15 1.0
Thymus	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	15
<b>Integumentary System</b>	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Mammary Gland	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	15
Skin	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	15
<b>Musculoskeletal System</b>	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
NONE	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
<b>Nervous System</b>	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
NONE	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
<b>Respiratory System</b>	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
Lung	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	15
<b>Special Senses System</b>	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	
NONE	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	
<b>Urinary System</b>	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
Kidney	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	15
Renal Tubule, Dilatation, Focal	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	1 1.0

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + ..Tissue examined microscopically  
 X ..Lesion present  
 I ..Insufficient tissue  
 M ..Missing tissue  
 A ..Autolysis precludes evaluation  
 BLANK ..Not examined microscopically  
 1-4 ..Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 97011-25  
 Test Type: 26-WEEK  
 Route: GAVAGE  
 Species/Strain: Mouse/FVB/N

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Test Compound: Transgenic model evaluation (Melphalan)  
 CAS Number: 148-82-3

Date Report Requested: 10/20/2014  
 Time Report Requested: 04:57:45  
 First Dose M/F: NA / NA  
 Lab: MBA

**FVB/N Mouse Female**  
**4.0 MG/KG**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	6	6	6	6	6	6	6	6	6	6	6	6	6	4	6
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
	<b>*TOTALS</b>														

**Alimentary System**

Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	14	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	14	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	14	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	14	
Epithelium, Necrosis	3	2	2	2	2	2	2	2	2	2	3	2	2		2	14	2.1
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	14	
Epithelium, Necrosis	3	2	2	2	2	2	2	2	2	2	3	2	2		2	14	2.1
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	14	
Epithelium, Necrosis	3	2	2	2	2	2	2	2	2	2	3	2	2		2	14	2.1
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	14	
Hepatocyte, Necrosis, Focal										1	1					2	1.0
Hepatocyte, Vacuolization Cytoplasmic, Focal		1							1							2	1.0
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	14	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	14	

**Cardiovascular System**

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
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**Endocrine System**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15	
Atrophy			2													1	2.0

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Experiment Number: 97011-25

Test Type: 26-WEEK

Route: GAVAGE

Species/Strain: Mouse/FVB/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Transgenic model evaluation (Melphalan)

CAS Number: 148-82-3

Date Report Requested: 10/20/2014

Time Report Requested: 04:57:45

First Dose M/F: NA / NA

Lab: MBA

FVB/N Mouse Female 4.0 MG/KG	DAY ON TEST																
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
ANIMAL ID	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	*TOTALS	
	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8		
	6	6	6	6	6	6	6	6	6	6	6	6	6	4	6		
Subcapsular, Hyperplasia, Focal	1		1	1						1		1				5	1.0
Zona Reticul, Vacuolization Cytoplasmic, Diffuse				2			2	3					2			4	2.3
Zona Reticul, Vacuolization Cytoplasmic, Focal	1	1	2		2	2			1	2	2	2			1	10	1.6
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	14	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15	
<b>General Body System</b>																	
NONE																	
<b>Genital System</b>																	
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15	
Atrophy	4	4	4	4	3	4	4	4	3	4	4	3	4	3	4	15	3.7
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	14	
Endometrium, Hyperplasia, Cystic	2	3	1	2	3	2	2	3	2	2	2	3	3		2	14	2.3
<b>Hematopoietic System</b>																	
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	14	
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15	
Lymph Node, Mediastinal	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	14	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	14	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	14	
Hematopoietic Cell Proliferation	2	2	3	2	2	3	3	2	3	3	2	3	3		2	14	2.5

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1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 97011-25  
 Test Type: 26-WEEK  
 Route: GAVAGE  
 Species/Strain: Mouse/FVB/N

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Test Compound: Transgenic model evaluation (Melphalan)  
 CAS Number: 148-82-3

Date Report Requested: 10/20/2014  
 Time Report Requested: 04:57:45  
 First Dose M/F: NA / NA  
 Lab: MBA

FVB/N Mouse Female 4.0 MG/KG	DAY ON TEST																	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
ANIMAL ID	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1			
	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8			
	6	6	6	6	6	6	6	6	6	6	6	6	6	4	6			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3			
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9			
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0			
																<b>*TOTALS</b>		
Pigmentation	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	14	1.0	
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	14		
<b>Integumentary System</b>																		
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	14		
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15		
<b>Musculoskeletal System</b>																		
NONE																		
<b>Nervous System</b>																		
NONE																		
<b>Respiratory System</b>																		
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15		
Alveolar Epith, Hyperplasia, Focal							1	1							1	3	1.0	
Alveolus, Hyperplasia, Histiocytic, Focal	2																1	2.0
Perivascular, Infiltration Cellular, Lymphocyte									2							1	2.0	
<b>Special Senses System</b>																		
NONE																		
<b>Urinary System</b>																		
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	14		
Renal Tubule, Dilatation, Focal										1	1	1				3	1.0	

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + ..Tissue examined microscopically  
 X ..Lesion present  
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**Experiment Number:** 97011-25

**Test Type:** 26-WEEK

**Route:** GAVAGE

**Species/Strain:** Mouse/FVB/N

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

**Test Compound:** Transgenic model evaluation (Melphalan)

**CAS Number:** 148-82-3

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 04:57:46

**First Dose M/F:** NA / NA

**Lab:** MBA

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

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

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1-4 ..Lesion qualified as:

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