Species/Strain: Mouse/FVB/N

Route: GAVAGE

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: 18-33 DAYS **Test Compound:** Transgenic model evaluation (Melphalan)

CAS Number: 148-82-3

Time Report Requested: 04:58:59

Date Report Requested: 10/20/2014

First Dose M/F: NA / NA

Lab: MBA

C Number: C97011M

Lock Date: 03/31/1999

Cage Range: ΑII

Date Range: ΑII

Reasons For Removal: ΑII

Removal Date Range: ΑII

Treatment Groups: ΑII

Study Gender: Both

PWG Approval Date NONE **Experiment Number: 97011-13** P04: NEOPLASMS BY INDIVIDUAL ANIMAL Test Type: 18-33 DAYS **Test Compound:** Transgenic model evaluation (Melphalan) **CAS Number:** 148-82-3 Route: GAVAGE Species/Strain: Mouse/FVB/N DAY ON TEST 0 0 0 0 0 0 0 0 0 0 0 0 0 **FVB/N Mouse Male** 3 3 3 3 0 3 0 3 0 3 3 3 3 0 0 0 0 0 0 **VEHICLE CONTROL** 0 0 0 0 0 0 0 0 0 0 0 ANIMAL ID 0 Ō 0 0 0 0 0 0 0 8 0 0 0 0 0 0 0 0 0 0 3 0 5 0 6 0 9 Ō Ō 0 7 1 *TOTALS 0 **Alimentary System** Liver 10 Stomach, Forestomach 10 **Cardiovascular System** NONE **Endocrine System** NONE **General Body System** NONE **Genital System** NONE **Hematopoietic System**

NONE

Integumentary System

Musculoskeletal System

Spleen Thymus

Skin

M .. Missing tissue

10

10

10

A .. Autolysis precludes evaluation

Date Report Requested: 10/20/2014

Time Report Requested: 04:58:59

First Dose M/F: NA / NA

Lab: MBA

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/20/2014

Time Report Requested: 04:58:59

First Dose M/F: NA / NA

Lab: MBA

Test Type: 18-33 DAYS

Test Compound: Transgenic model evaluation (Melphalan)

Route: GAVAGE

CAS Number: 148-82-3

Species/Strain: Mouse/FVB/N

FVB/N Mouse Male VEHICLE CONTROL

DAY ON TEST	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
	0	0	0	0	0	0	0	0	0	0
V VIIIVAVI ID	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	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0

*TOTALS

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ 10

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Experiment Number: 97011-13 P04: NEOPLASMS BY INDIVIDUAL ANIMAL Test Type: 18-33 DAYS **Test Compound:** Transgenic model evaluation (Melphalan) **CAS Number:** 148-82-3 Route: GAVAGE Species/Strain: Mouse/FVB/N DAY ON TEST 0 0 0 0 0 0 0 0 0 0 0 0 0 **FVB/N Mouse Male** 3 3 3 3 0 3 0 3 0 3 3 3 3 0 0 0 0 0 0 MG/KG 0 0 0 0 0 0 0 0 0 0 1 2 0 0 0 1 8 0 ANIMAL ID Õ Ō 0 0 0 1 5 0 0 0 0 0 0 0 0 0 0 1 1 2 1 1 1 9 *TOTALS **Alimentary System** Liver 10 Stomach, Forestomach 10 **Cardiovascular System** NONE **Endocrine System** NONE **General Body System** NONE **Genital System** NONE **Hematopoietic System** Spleen 10

Thymus

Skin

NONE

Integumentary System

Musculoskeletal System

M ..Missing tissue

10

10

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 4

Date Report Requested: 10/20/2014 Time Report Requested: 04:58:59

First Dose M/F: NA / NA

Lab: MBA

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/20/2014

Time Report Requested: 04:58:59

First Dose M/F: NA / NA

Lab: MBA

Test Type: 18-33 DAYS

Test Compound: Transgenic model evaluation (Melphalan)

Route: GAVAGE

CAS Number: 148-82-3

Species/Strain: Mouse/FVB/N

MG/KG

D

FVB/N Mouse Male

AY ON TEST	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
	0	0	0	0	0	0	0	0	0	0
V VIII V V I I I I	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	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0

*TOTALS

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

10

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Experiment Number: 97011-13 P04: NEOPLASMS BY INDIVIDUAL ANIMAL Test Type: 18-33 DAYS **Test Compound:** Transgenic model evaluation (Melphalan) **CAS Number:** 148-82-3 Route: GAVAGE Species/Strain: Mouse/FVB/N DAY ON TEST 0 0 0 0 0 0 0 0 0 0 0 0 0 **FVB/N Mouse Male** 3 3 3 3 0 3 0 3 0 3 3 3 3 0 0 0 0 0 0 MG/KG 2.0 0 0 0 0 0 0 0 0 0 0 0 2 2 0 ANIMAL ID Õ Ō 0 0 0 2 5 0 0 0 0 2 8 0 0 2 1 0 2 9 0 0 0 0 0 2 2 2 2 7 3 *TOTALS **Alimentary System** Liver 10 Stomach, Forestomach 10 **Cardiovascular System** NONE **Endocrine System** NONE **General Body System** NONE **Genital System** NONE **Hematopoietic System**

Spleen

Thymus

Skin

NONE

Integumentary System

Musculoskeletal System

M .. Missing tissue

10

10

10

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 6

Date Report Requested: 10/20/2014 Time Report Requested: 04:58:59

First Dose M/F: NA / NA

Lab: MBA

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/20/2014

Time Report Requested: 04:58:59

First Dose M/F: NA / NA

Lab: MBA

Test Type: 18-33 DAYS

Test Compound: Transgenic model evaluation (Melphalan)

Route: GAVAGE

CAS Number: 148-82-3

Species/Strain: Mouse/FVB/N

CAS Number: 148-82-3

FVB/N Mouse Male 2.0 MG/KG

DAY ON TEST	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
	0	0	0	0	0	0	0	0	0	0
V VIII VVI ID	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	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0

*TOTALS

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

10

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/20/2014

Time Report Requested: 04:58:59

First Dose M/F: NA / NA

Lab: MBA

Test Type: 18-33 DAYS

Test Compound: Transgenic model evaluation (Melphalan)

Route: GAVAGE

CAS Number: 148-82-3

Species/Strain: Mouse/FVB/N

FVB/N	l Mouse	Male
4.0	MG/KG	

DAY ON TEST	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
	0	0	0	0	0	0	0	0	0	0
ANIIMAL ID	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	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0

*TOTALS

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

Epididymis						+					1
Testes						+					1
Hematopoietic System											
Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10
Integumentary System											
Skin	+	+	+	+	+	+	+	+	+	+	10

Musculoskeletal System

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/20/2014

Time Report Requested: 04:58:59

First Dose M/F: NA / NA

Lab: MBA

Test Type: 18-33 DAYS

Test Compound: Transgenic model evaluation (Melphalan)

Route: GAVAGE

CAS Number: 148-82-3

Species/Strain: Mouse/FVB/N

FVB/N Mouse Male

MG/KG

DAY ON TEST

0 0 0 0 0 3 2 0 0 3 5 0 0 3 8 ANIMAL ID Õ 3 1 3 9 0

*TOTALS

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Experiment Number: 97011-13 P04: NEOPLASMS BY INDIVIDUAL ANIMAL Test Type: 18-33 DAYS **Test Compound:** Transgenic model evaluation (Melphalan) **CAS Number:** 148-82-3 Route: GAVAGE Species/Strain: Mouse/FVB/N DAY ON TEST 0 0 0 0 0 0 0 0 0 0 0 0 0 **FVB/N Mouse Male** 3 3 3 3 0 3 0 3 0 3 2 4 3 3 0 0 0 0 0 MG/KG 8.0 0 0 0 0 0 0 0 0 0 0 0 0 ANIMAL ID Õ 0 Ō 0 0 0 0 0 4 8 0 0 0 0 0 0 0 0 4 4 5 4 4 3 4 4 7 4 5 4 *TOTALS **Alimentary System** Liver 10 Stomach, Forestomach 10 **Cardiovascular System** NONE **Endocrine System** NONE **General Body System** NONE **Genital System** NONE **Hematopoietic System**

Spleen

Thymus

Skin

NONE

Integumentary System

Musculoskeletal System

M .. Missing tissue

10 10

10

A .. Autolysis precludes evaluation

Date Report Requested: 10/20/2014

Time Report Requested: 04:58:59

First Dose M/F: NA / NA

Lab: MBA

BLANK .. Not examined microscopically

Page 10

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/20/2014

Time Report Requested: 04:58:59

First Dose M/F: NA / NA

Lab: MBA

Test Type: 18-33 DAYS

Test Compound: Transgenic model evaluation (Melphalan)

Route: GAVAGE

CAS Number: 148-82-3

Species/Strain: Mouse/FVB/N

FVB/N Mouse Male MG/KG

DAY ON TEST	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	2
	0	0	0	0	0	0	0	0	0	4
V VIIIVAVI ID	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	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0

*TOTALS

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

Kidney 1

SYSTEMIC LESIONS

Multiple Organ 10

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

Species/Strain: Mouse/FVB/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: 18-33 DAYS

Test Compound: Transgenic model evaluation (Melphalan)

Route: GAVAGE

CAS Number: 148-82-3

First Dose M/F: NA / NA

Date Report Requested: 10/20/2014

Time Report Requested: 04:58:59

Lab: MBA

FVB/N Mouse Male 16.0 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	2	1	3	2	2	3	0	2	2
	4	6	0	0	6	4	0	9	9	6
V VIII V V I I I	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	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0

*TOTALS

Alimentary System

Liver 10 Stomach, Forestomach 10

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

Testes 1

Hematopoietic System

Spleen 10 8 **Thymus**

Integumentary System

Skin 10

Musculoskeletal System

NONE

I .. Insufficient tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

M .. Missing tissue

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/20/2014

Time Report Requested: 04:58:59

First Dose M/F: NA / NA

Lab: MBA

Test Type: 18-33 DAYS

Test Compound: Transgenic model evaluation (Melphalan)

Route: GAVAGE

CAS Number: 148-82-3

Species/Strain: Mouse/FVB/N

FVB/N Mouse Male

ANIMAL ID

0 **2 6 2 6** 3 0 9 **2 9 2 6** 0 4 0 0 0 0 0 0 5 2 0 0 0 0 0 5 8 0 Ō 0 0 0 0 5 5 0 0 0 5 9 0 5 0 5 6 0 5 1 0 0 0 5 3 5 7 6

*TOTALS

Nervous System

16.0 MG/KG

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

Kidney + 1

SYSTEMIC LESIONS

END OF MALE DATA

X .. Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Experiment Number: 97011-13 P04: NEOPLASMS BY INDIVIDUAL ANIMAL Test Type: 18-33 DAYS **Test Compound:** Transgenic model evaluation (Melphalan) **CAS Number:** 148-82-3 Route: GAVAGE Species/Strain: Mouse/FVB/N DAY ON TEST 0 0 0 0 0 0 0 0 0 0 0 0 0 **FVB/N Mouse Female** 3 3 3 3 0 3 0 3 0 3 3 3 3 0 0 0 0 0 0 **VEHICLE CONTROL** 0 0 0 0 0 0 0 0 0 0 0 ANIMAL ID 0 Ō 0 0 0 0 0 0 6 8 0 0 0 0 0 0 0 0 6 6 6 6 5 6 6 9 6 6 7 Ö *TOTALS **Alimentary System** Liver 10 Stomach, Forestomach 10 **Cardiovascular System** NONE **Endocrine System** NONE **General Body System** NONE **Genital System** NONE

Hematopoietic System

10 Spleen **Thymus** 10

Integumentary System

Skin 10

Musculoskeletal System

NONE

Date Report Requested: 10/20/2014

Time Report Requested: 04:58:59

First Dose M/F: NA / NA

Lab: MBA

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/20/2014

Time Report Requested: 04:58:59

First Dose M/F: NA / NA

Lab: MBA

Test Type: 18-33 DAYS

Test Compound: Transgenic model evaluation (Melphalan)

Route: GAVAGE

CAS Number: 148-82-3

Species/Strain: Mouse/FVB/N

FVB/N Mouse Female VEHICLE CONTROL

0 3 3 3 3 0 3 0 3 0 3 3 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 6 2 0 0 0 0 6 8 0 ANIMAL ID Ō 0 0 0 0 6 5 0 0 0 0 6 1 0 0 0 0 0 6 6 6 9 6 6 7 Ö

*TOTALS

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

+ + + + + + +

X .. Lesion present

I .. Insufficient tissue

M ..Missing tissue

10

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Experiment Number: 97011-13 P04: NEOPLASMS BY INDIVIDUAL ANIMAL Test Type: 18-33 DAYS **Test Compound:** Transgenic model evaluation (Melphalan) **CAS Number:** 148-82-3 Route: GAVAGE Species/Strain: Mouse/FVB/N DAY ON TEST 0 0 0 0 0 0 0 0 0 0 0 0 0 **FVB/N Mouse Female** 3 3 3 3 0 3 0 3 0 3 3 3 3 0 0 0 0 0 0 MG/KG 0 0 0 0 0 0 0 0 0 0 0 7 2 0 ANIMAL ID Õ Ō 0 0 0 7 5 0 0 0 0 7 8 0 0 7 0 7 9 0 7 0 0 0 0 7 6 7 7 7 8 *TOTALS **Alimentary System** Liver 10 Stomach, Forestomach 10 **Cardiovascular System** NONE **Endocrine System** NONE **General Body System** NONE **Genital System** NONE

Hematopoietic System

10 Spleen **Thymus** 10

Integumentary System

Skin 10

Musculoskeletal System

NONE

Date Report Requested: 10/20/2014

Time Report Requested: 04:58:59

First Dose M/F: NA / NA

Lab: MBA

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: 18-33 DAYS

Test Compound: Transgenic model evaluation (Melphalan)

Route: GAVAGE

Species/Strain: Mouse/FVB/N

CAS Number: 148-82-3

Date Report Requested: 10/20/2014

Time Report Requested: 04:58:59

First Dose M/F: NA / NA

Lab: MBA

FVB/N Mouse Female MG/KG

DAY ON TEST	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
	0	0	0	0	0	0	0	0	0	0
V VIIIVAVI ID	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	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	8
	1	2	3	4	5	6	7	8	9	0

*TOTALS

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

10

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Experiment Number: 97011-13 P04: NEOPLASMS BY INDIVIDUAL ANIMAL Test Type: 18-33 DAYS **Test Compound:** Transgenic model evaluation (Melphalan) **CAS Number:** 148-82-3 Route: GAVAGE Species/Strain: Mouse/FVB/N DAY ON TEST **FVB/N Mouse Female** 0 0 0 MG/KG 2.0 0 0 ANIMAL ID Ō 0 8 8 5 *TOTALS **Alimentary System** Liver Stomach, Forestomach **Cardiovascular System** NONE **Endocrine System** NONE **General Body System** NONE **Genital System** NONE **Hematopoietic System**

Spleen Thymus

Skin

NONE

Integumentary System

Musculoskeletal System

M .. Missing tissue

A .. Autolysis precludes evaluation

Date Report Requested: 10/20/2014

Time Report Requested: 04:58:59

First Dose M/F: NA / NA

Lab: MBA

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/20/2014

Time Report Requested: 04:58:59

First Dose M/F: NA / NA

Lab: MBA

Test Type: 18-33 DAYS

Test Compound: Transgenic model evaluation (Melphalan)

Route: GAVAGE

CAS Number: 148-82-3

Species/Strain: Mouse/FVB/N

DAY O

FVB/N Mouse Female MG/KG

Y ON TEST	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
	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
AMIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	8	8	8	8	8	8	8	8	8	9
	1	2	3	4	5	6	7	8	9	0

*TOTALS

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

10 Multiple Organ

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Experiment Number: 97011-13 P04: NEOPLASMS BY INDIVIDUAL ANIMAL Test Type: 18-33 DAYS **Test Compound:** Transgenic model evaluation (Melphalan) **CAS Number:** 148-82-3 Route: GAVAGE Species/Strain: Mouse/FVB/N DAY ON TEST 0 0 0 0 0 0 0 0 0 0 0 0 0 **FVB/N Mouse Female** 3 3 3 3 0 3 0 3 0 3 3 3 0 0 0 0 0 0 MG/KG 4.0 0 0 0 0 0 0 0 0 0 0 9 2 0 0 ANIMAL ID Ō 0 0 0 0 9 5 0 0 0 0 9 8 0 0 0 0 0 0 0 1 9 9 9 9 9 9 0 *TOTALS **Alimentary System** Liver 10 Stomach, Forestomach 10 **Cardiovascular System** NONE **Endocrine System** NONE **General Body System** NONE **Genital System** NONE **Hematopoietic System**

Spleen Thymus

Skin

NONE

Integumentary System

Musculoskeletal System

M .. Missing tissue

10

10

10

A .. Autolysis precludes evaluation

Date Report Requested: 10/20/2014

Time Report Requested: 04:58:59

First Dose M/F: NA / NA

Lab: MBA

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/20/2014

Time Report Requested: 04:58:59

First Dose M/F: NA / NA

Lab: MBA

Test Type: 18-33 DAYS

Test Compound: Transgenic model evaluation (Melphalan)

Route: GAVAGE

CAS Number: 148-82-3

Species/Strain: Mouse/FVB/N

MG/KG

DAY ON TEST **FVB/N Mouse Female** 0 0 ANIMAL ID

0 0 0 9 2 0 0 9 8 Ō 0 9 5 9 1

*TOTALS

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

Kidney

SYSTEMIC LESIONS

Multiple Organ

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Experiment Number: 97011-13 P04: NEOPLASMS BY INDIVIDUAL ANIMAL Test Type: 18-33 DAYS **Test Compound:** Transgenic model evaluation (Melphalan) **CAS Number:** 148-82-3 Route: GAVAGE Species/Strain: Mouse/FVB/N DAY ON TEST **FVB/N Mouse Female** 0 0 0 8.0 MG/KG ANIMAL ID Ō 1 0 5 1 2 8 *TOTALS **Alimentary System** Liver Stomach, Forestomach **Cardiovascular System** NONE **Endocrine System** NONE **General Body System** NONE **Genital System** NONE **Hematopoietic System**

Integumentary System

Musculoskeletal System

NONE

Skin

Spleen

Thymus

Date Report Requested: 10/20/2014

Time Report Requested: 04:58:59

First Dose M/F: NA / NA

Lab: MBA

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/20/2014

Time Report Requested: 04:59:00

First Dose M/F: NA / NA

Lab: MBA

Test Type: 18-33 DAYS

Test Compound: Transgenic model evaluation (Melphalan)

Route: GAVAGE

CAS Number: 148-82-3

Species/Strain: Mouse/FVB/N

MG/KG

DA' **FVB/N Mouse Female**

Y ON TEST	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
	0	0	0	0	0	0	0	0	0	0
A N I I A A I I I I D	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0

*TOTALS

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

Kidney 1

SYSTEMIC LESIONS

10 Multiple Organ

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: 18-33 DAYS

Test Compound: Transgenic model evaluation (Melphalan)

Route: GAVAGE

CAS Number: 148-82-3

Species/Strain: Mouse/FVB/N

VB/N	l Mouse Female
6.0	MG/KG

DAY ON TEST	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
ANIMAL ID	7	8	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
	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0

*TOTALS

Alimentary System

Intestine Small, Duodenum		+									1
Intestine Small, Ileum		+									1
Intestine Small, Jejunum		+									1
Liver	Α	+	+	+	+	+	+	+	+	+	9
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

Spleen	Α	+	+	+	+	+	+	+	+	+	9
Thymus	Α	М	+	+	+	+	+	+	+	+	8
Integumentary System											
Skin	+	+	+	+	+	+	+	+	+	+	10

BLANK .. Not examined microscopically

Date Report Requested: 10/20/2014 Time Report Requested: 04:59:00

First Dose M/F: NA / NA

Lab: MBA

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

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P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: 18-33 DAYS

Test Compound: Transgenic model evaluation (Melphalan)

Route: GAVAGE

CAS Number: 148-82-3

Species/Strain: Mouse/FVB/N

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Date Report Requested: 10/20/2014

Time Report Requested: 04:59:00

First Dose M/F: NA / NA

Lab: MBA

FVB/N Mouse Female 16.0 MG/KG

DAY ON TEST	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
ANIMAL ID	7	8	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
	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0

*TOTALS

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

Kidney + 1

SYSTEMIC LESIONS

** END OF REPORT **

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue